SOUTH PENINSULA ANNUAL SALMON MANAGEMENT REPORT, 1995

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INTRODUCTION

The Alaska Peninsula Salmon Management Area includes the North Peninsula from Cape Menshikof west to Cape Sarichef, and the South Peninsula from Kupreanof Point west to Scotch Cap on Unimak Island (Figure 1). This report describes those fisheries located on the South Peninsula, which is further divided into four subareas: (1) the Southeastern District, consisting of waters between Kupreanof Point and McGinty Point; (2) South Central District, consisting of waters between McGinty Point and Arch Point Light; (3) Southwestern District, consisting of waters between Arch Point Light, False Pass, and Cape Pankof; and (4) Unimak District, consisting of waters between Cape Pankof and Scotch Cap (Figures 2-6). The Southeastern District is further subdivided into two areas: (1) the Shumagin Islands Section, consisting of the Shumagin Islands archipelago; and (2) the Southeastern District Mainland, consisting of the waters of Stepovak, Balboa, and Beaver Bays (Figure 7).

There are two Alaska Department of Fish and Game (CFMD) offices in the South Peninsula located in Sand Point and Cold Bay (Figure 2). In 1990, the Sand Point staff assumed responsibility for managing salmon fisheries in the Southeastern District. The balance of the South Peninsula salmon fisheries are managed from Cold Bay.

Five species of Pacific salmon are commercially harvested in the Alaska Peninsula Management Area: chinook salmon *Oncorhynchus tshawytscha*, sockeye salmon *O. nerka*, chum salmon *O. keta*, pink salmon *O. gorbuscha*, and coho salmon *O. kisutch*.

Only Commercial Fisheries Entry Commission (CFEC) Area M purse seine, drift gillnet, and set gillnet permit holders are allowed to commercially harvest salmon in South Peninsula waters (ADF&G 1995). There are a total of 125 purse seine, 164 drift gillnet, and 114 set gillnet permanent and interim use permits available to commercially fish for salmon in the South Peninsula (Appendix A.1). The average number of permits fished in the South Peninsula from 1986 through 1995, was 118 purse seine, 149 drift gillnet, and 76 set gillnet. Most purse seine and set gillnet permit holders fish South Peninsula waters throughout the season, while most drift gillnet permit holders fish South Unimak waters during June and North Peninsula waters from July through September. By regulation drift gillnet gear is only allowed in the Unimak District and the Ikatan Bay Section of the Southwestern District. Purse seine, hand purse seine, and set gillnet gear are permitted in most of the South Peninsula, however, some gear restrictions do exist within specified areas (Figure 8).

Commercial salmon fisheries in the South Peninsula date back to at least 1888 when canneries were reportedly constructed at Orzinski (Orzenoi) Bay and Thin Point Cove. However, the earliest catch records for the South Peninsula date back to 1908, while permits and landings have only been documented since 1970 (Appendix A.2). Early catches in the South Peninsula were predominantly of sockeye salmon with a few chinook and coho salmon.

A large portion of South Peninsula commercial salmon fisher's earnings come from the harvest of salmon migrating through the area. The South Peninsula fisheries that harvest migrating salmon include:

1. The South Unimak (False Pass) and Shumagin Islands June fisheries (5 AAC 09.365 South Unimak and Shumagin Islands June Salmon Management Plan),

2. The Southeastern District Mainland (Balboa-Stepovak or Stepovak) fishery harvests sockeye salmon bound for the Chignik Management Area (5 AAC 09.360 Southeastern District Mainland Salmon Management Plan) and,

3. The Post June Salmon Management Plan for the Southern Alaska Peninsula (5 AAC 09.366) addresses the harvest of migrating salmon from early through mid-July in South Peninsula cape fisheries.

A list of statistical numbers that apply to the 1970-95 fisheries are in Appendix A.3.

HARVEST SUMMARY

From 1976 through 1995, the South Peninsula salmon harvest, including test fish catches, averaged 10,312,616 salmon composed of 9,061 chinook, 2,070,445 sockeye, 245,843 coho, 6,634,905 pink, and 1,352,362 chum salmon (Appendix A.2). From 1986 through 1995, the harvest was higher for each species, and averaged 12,046,515 salmon composed of 10,731 chinook, 2,377,330 sockeye, 319,333 coho, 7,825,025 pink, and 1,514,096 chum salmon.

Chinook salmon are of minor commercial importance in South Peninsula waters. From 1986 through 1995, the chinook harvests averaged 10,731 and ranged from 5,589 in 1986 to 17,469 in 1995 (Appendix A.2; Figure 9). There are no documented chinook spawning systems in South Peninsula waters. The Chignik River is the only known chinook salmon producer on the southern portion of the entire Alaska Peninsula (Owen and Sarafin 1995).

Sockeye are usually the most economically important salmon species harvested in South Peninsula waters. Most South Peninsula, outside of the Southeastern District Mainland (SEDM) area, sockeye catches during June occur on stocks assumed to be bound for Bristol Bay while most of the sockeye caught in the SEDM fishery are assumed to be bound for Chignik. From 1986 through 1995, the South Peninsula sockeye harvests averaged 2,377,330 salmon and ranged from 1,223,089 in 1986 to 3,689,074 sockeye in 1993 (Appendix A.2; Figure 10).

The South Peninsula has several sockeye salmon systems which contribute in varying degrees to the overall production of South Peninsula fisheries (Appendix F.1). Most of these are small, with indexed escapement goals ranging from 200 to 6,400 sockeye. Thin Point, Middle Lagoon (Morzhovoi Bay), and Orzinski Lakes are the largest sockeye producing systems in the South Peninsula Management Area with upper indexed escapement goals of 28,000, 32,000, and 30,000 sockeye respectively. Thin Point, and Middle Lagoon (Morzhovoi Bay) historically (1920's and 1930's) produced substantial runs. These systems appear to be returning to high production levels through good management of the escapement and an aggressive enforcement program by the

Department of Public Safety. Surplus production from Orzinski Lake sockeye stock is an important contributor to Southeastern District catches.

During June, few coho salmon are harvested in South Peninsula waters, most are caught incidentally from mid-July through mid-August while fisheries are targeting pink and chum salmon. Historically, South Peninsula coho catches have been quite variable (Figure 11). From 1923 through 1946, catches were relatively high, averaging 148,000 salmon annually. During 1947-58, the average harvest decreased to about 50,000 coho. From 1959 through 1977, the South Peninsula coho harvest averaged 12,000 salmon, with only 67 coho harvested in 1975. Catches increased substantially after 1978, averaging 315,654 salmon from 1984-93. In 1988, a record harvest of 505,533 coho occurred in the South Peninsula. From 1986 through 1995, the coho harvest averaged 319,333 fish and ranged from 505,533 in 1988 to 220,148 coho in 1993 (Appendix A.2).

From 1928 through 1950, the Aleutian Islands Management Area harvests were combined with the South Peninsula, however the Aleutian Islands contribution was probably insignificant. During years when Aleutian Islands coho harvests were separated from the South Peninsula harvest, the largest documented coho harvest in the Aleutians was 4,400 salmon in 1918 and the harvest totaled less than 200 salmon during most years (McCullough 1995).

Pink salmon are the most abundant salmon species produced within South Peninsula streams (Appendices F.1 and F.2; Murphy 1992; McCullough et al. 1995a). Runs can fluctuate dramatically between odd and even year cycles and are heavily influenced by parent year escapements and localized environmental conditions. During the past ten years, the pink salmon harvests averaged 7,825,025 and ranged from 1,208,556 in 1987 to 16,311,770 in 1995 (Appendix A.2; Figure 12). Most systems can produce large runs on both even and odd year cycles, but generally the streams between Cold Bay and Unimak Bight, and Dry Lagoon and Apollo Creeks on Unga Island are normally even year producers. Pink salmon generally arrive in substantial numbers around July 20, and the peak of the run usually occurs around August 1. After mid-August the fish quality diminishes due to water marking.

Chum salmon are the second most numerous species found in South Peninsula streams (Appendices F.1 and F.2). From 1986 through 1995, the chum harvest averaged 1,514,096 salmon and ranged from 994,231 in 1989 to 2,192,079 in 1994 (Appendix A.2 ; Figure 13). Chum runs are typically more stable than pink runs due to the presence of multiple age classes and the tendency of chum salmon to select spawning locations that are less susceptible to scouring and freezing while in freshwater. Chum runs start earlier and last longer than pink runs, however, there is a large variation in run timing among chum stocks.

All South Peninsula fisheries are usually closed from late August until September 1 to achieve pink and chum salmon escapement goals. Beginning on September 1, the fisheries are generally limited to set gillnet, and a few purse seine fishers during the first week of September and set gillnet fishers only from mid to late September. Generally adverse fall weather conditions limit actual fishing time to about three days per week, and the normally low abundance of salmon during this time greatly reduces the efficiency of the purse seine fleet.

ESCAPEMENT

There are approximately 185 salmon spawning systems in the South Peninsula area, with sockeye salmon found in 23, pink salmon in 110, coho in 57, and chum salmon in 72 (Murphy 1992). Most surveys for assessing escapement are based on observations made by trained observers from fixed wing aircraft, however foot surveys may also be conducted in certain areas. There are two methods used to estimate escapements, primarily for sockeye, pink, and chum salmon: 1) indexed escapement counts which are used for inseason management purposes; and 2) estimated total escapement (ETE) which is completed post season and uses a 21 day stream life and area-under-the-curve method (AUC; Johnson and Barrett 1988). Indexed escapement counts are also used for comparisons with the historical data because the ETE method has only been in use since 1986.

The United States Fish and Wildlife Service (USFWS) operated a weir at Orzinski (Orzenoi) Lake from 1929 through 1941(Figure 14). In 1990 ADF&G reinstated the weir because of the importance of Orzinski Lake sockeye in determining fishing time for the Northwest Stepovak Section, concerns regarding potential Chignik bound sockeye harvests, and the difficulties involved with estimating fish from the air. ADF&G has operated the weir annually since it was reinstated in 1990. Thin Point Lake was first successfully weired in 1994. Escapement data from Thin Point Lake is important in determining commercial salmon fishing time in the Thin Point Section and to ensure that subsistence needs of King Cove and Cold Bay residents are met. Indexed estimates are probably lower than the actual totals. Consequently there will be differences after 1984 between figures used in area management reports and those in formally published reports (technical data reports, bulletins, etc.) which use different expansion factors.

During the past twenty years, the total indexed salmon escapement in the South Peninsula averaged 3,113,155 salmon composed of 72,985 sockeye, 2,547,843 pink, and 492,327 chum salmon (Appendix F.2). During the past ten years, the total indexed escapement averaged 3,368,030 salmon composed of 91,231 sockeye, 2,781,547 pink, and 495,253 chum salmon which is similar to the 20-year average.

A separate report provides estimated catch and escapement age, sex, and length data (Nelson and Murphy 1996). In-depth annual salmon management reports provide an overview of the Alaska Peninsula and Aleutian Islands Management Areas commercial, subsistence, and personal use fisheries (Shaul and Berceli 1996), the Aleutian Islands and Atka-Amlia Management Areas (Holmes and Shaul 1995), and the North Alaska Peninsula salmon fisheries (Murphy et al. 1996).

1995 SEASON SUMMARY

During the 1995 salmon season , 82 emergency orders were issued from the ADF&G office in Cold Bay and 85 were issued from the Sand Point office (Appendix E.1). In 1995, the South Peninsula commercial salmon harvest, excluding test fish catches, was 21,291,777 salmon composed of 17,078 chinook, 2,996,353 sockeye, 260,686 coho, 16,302,593 pink, and 1,715,067 chum salmon

(Appendix A.4). The 1995 South Peninsula commercial salmon harvest was the largest catch on record, and was driven by a record pink salmon harvest.

Of the total 1995 South Peninsula salmon harvest 53% of the chinook, 44% of the sockeye, 81% of the coho, 46% of the pink, and 40% of the chum salmon were caught in the Southeastern District (Appendix A.5). Purse seine fishers harvested 87.7% of all salmon, drift gillnet fishers 5.1%, and set gillnet fishers caught 7.2% (Appendix A.9). Purse seine fishers caught 75.2% of the chinook, 50.5% of the sockeye, 72.2% of the coho , 95.3% of the pink, and 80.7% of the chum salmon.

In 1995, most Area M CFEC permits recorded landings; 118 of 125 purse seine permits available made landings, 151 of 164 drift gillnet permits; and 82 of 114 set gillnet permits were fished in South Peninsula waters (Appendix A.1).

As previously mentioned, there are no known chinook salmon spawning systems in the South Peninsula Management Area. The South Peninsula total indexed sockeye escapement goals range from 67,800-135,600 sockeye and the 1995 indexed escapement of 129,110 approached the upper escapement goal (Appendix F.2 ; Figure 15). The South Peninsula total estimated coho escapement was 36,420 fish, and was calculated using an expansion factor of 2.4 (Johnson and Barrett 1988). Due to limited aerial survey data no formal escapement goals have been established for coho in the South Peninsula. The South Peninsula total indexed pink escapement goals range from 1,600,000-3,180,000 pinks and the 1995 indexed escapement of 6,406,300 doubled the upper escapement goal (Figure 16). The South Peninsula total indexed chum escapement goals range from 350,000-690,000 chums and the 1995 indexed escapement of 726,400 exceeded the upper escapement goal (Figure 17).

In 1995, the total estimated value of the South Unimak and Shumagin Islands June fisheries was $7,940,000, the post June fisheries accounted for $13,490,000. The yearly exvessel earnings were $21,430,000, considerably less than the 1985-94 average of $29,120,525 (Appendix A.10).

South Unimak and Shumagin Islands June Fisheries

Introduction

The South Unimak and Shumagin Islands June fisheries date back to at least 1911 (Appendix B.1; Figures 3 and 18)). The dominant stocks targeted by these fisheries are sockeye salmon bound for Bristol Bay, which has caused controversy between Alaska Peninsula and Bristol Bay fishers for many years (Eggers et al. 1991). During the early to mid-sixties the South Unimak and Shumagin Islands fisheries were open five days per week to commercial salmon fishing (Appendix B.2). During the late sixties to early seventies, the fisheries were open seven days per week regardless of the run strength of Bristol Bay sockeye salmon. This fishing schedule created controversy and resulted in special Alaska Board of Fisheries (BOF)) meetings concerning this issue in the early 1970's. The South Unimak and Shumagin Islands June management strategy was decided on a year-by-year basis in 1972-1974 due to very low projected Bristol Bay sockeye salmon returns. In 1974, both fisheries were closed during June. After 1974, the BOF implemented an allocation plan where the South Unimak and Shumagin Islands June fisheries would be granted an annual

guideline harvest level based on the predicted Bristol Bay inshore sockeye salmon harvest. Based on historic catch data, 6.8% of the forecasted inshore Bristol Bay harvest was allocated to the South Unimak June fishery and 1.5% was allocated to the Shumagin Islands fishery. To reduce the possibility of overharvesting any segment of the Bristol Bay run, the guideline harvest was apportioned to discrete time periods based on historical catch data. The distribution of the allocation by time period and percent was as follows:

Time Periods	South Unimak	Shumagin Islands
June 1 - 11	5%	9%
12 - 18	29%	28%
19 - 25	51%	41%
26 - 30	15%	22%
Total	100%	100%

If the guideline harvest for an individual time period was not reached, the unharvested portion was lost to the fishery. If the guideline harvest for an individual time period was exceeded, the overharvest was subtracted from the total season allocation.

Chum salmon are also harvested during the South Unimak and Shumagin Islands June fisheries. In 1982, an unusually large harvest of 1,095,044 chum salmon occurred (Appendix B.3). The 1982 fall Yukon River chum salmon returns were weak and resulted in increased concerns by Arctic-Yukon-Kuskokwim (AYK) fishers who wanted to curtail or eliminate the South Peninsula June fisheries. Unlike sockeye, which are predominantly bound for Bristol Bay and have recently had large returns; chum salmon are bound for numerous areas ranging from Japan to Kotzebue to Prince William Sound, and have recently had poor returns, especially in AYK river systems (Eggers et al. 1991; Ogura and Ito 1994; Kron 1994).

In 1984, the BOF placed further restrictions on the South Unimak and Shumagin Islands June fisheries in an attempt to decrease the chum salmon harvest. The new restrictions consisted of allowing no more than 96 hours of fishing during a seven day period and no more than 72 consecutive hours of fishing. This regulation allowed for closed fishing periods (referred to as windows) between open periods to increase the opportunity for chum salmon to escape the South Peninsula June fisheries.

During 1986 only, the following additional restrictions were applied:

1. No fishing prior to June 11.
2. No fishing during June 26-30 and the loss of that periods allocation.
3. A 400,000 chum salmon catch limit (chum cap).

These restrictions, plus low availability of sockeye salmon, resulted in only 471,397 of the 1,107,000 sockeye salmon allocation being harvested.

The fall 1986 BOF meeting adjourned (with three members resigning), without taking action on the South Unimak and Shumagin Islands June fisheries. The regulations passed in 1986 were rescinded and the 1987 fisheries were managed similar to the 1984-1985 June fisheries.

A sockeye and chum salmon tagging project in the South Unimak and Shumagin Islands fisheries was conducted during June 1987. The tagging project indicated that chum salmon are essentially from every stock in the North Pacific and Bering Sea while the majority of the sockeye salmon were from Bristol Bay (Eggers et al. 1991). The Yukon River fall chum salmon stock was a major focus for this study and this stock was determined to be a minor component of the South Peninsula June fisheries.

During the spring of 1988, the BOF placed a 500,000 (fish) chum cap on the South Unimak and Shumagin Islands June fisheries (i.e., after 500,000 chum salmon were harvested the fishery would close; Shaul and Schwarz 1989). During many years, it would be difficult or impossible to harvest the sockeye salmon allocation due to the chum salmon cap. In 1988, the South Unimak sockeye harvest was reduced by an estimated 669,000 salmon due to the 500,000 chum cap. The 669,000 reduction was in addition to an estimated 117,000 sockeye salmon forfeited from other management plan restrictions (i.e., no more than 96 hours to be fished in any 7 day period and no more than 72 consecutive hours). In 1988, the Shumagin Islands fishery harvested its sockeye allocation.

In 1989, South Peninsula fishers harvested the June sockeye allocation (Shaul et al. 1990). However, this was due to a low Bristol Bay forecast, and consequently low South Unimak and Shumagin Islands allocations (Appendices B.6-B.8). If the Bristol Bay inshore sockeye harvest had been perfectly forecast, the South Unimak fishery harvest would have been approximately 400,000 sockeye short of its allocation, due to the 500,000 chum cap. Sockeye catch rates were so high in the Shumagin Islands that fishers there could have easily harvested the allocation before the chum cap was reached.

Following the 1989 season, the BOF made the following changes to the South Unimak and Shumagin Islands June fisheries (Appendix B.2):

1. The starting date of the fishery was delayed until June 13; the sockeye to chum salmon ratio usually improves after June 12.
2. The chum cap for both fisheries combined was raised from 500,000 to 600,000 salmon.
3. The "window regulations" were eliminated, as there did not seem to be a need for both a chum salmon cap and windows (Eggers et al. 1991).
4. The sockeye allocations and time periods became the same for each fishery.

Time Periods	South Unimak and Shumagin Islands
June 13 - 18	35%
19 - 25	45%
26 - 30	20%
Total	100%

If catches in either fishery fall below the guidelines in the June 13-18 period, those unharvested sockeye salmon up to a maximum of five percent of the total allocation for that fishery may be harvested during the June 19-25 period. The June 26-30 period cannot be used to make up for underharvests during the first two periods. The best available data indicated that the sockeye salmon stock composition between the first two periods was very similar, however the June 25-30 stock composition at South Unimak and the Shumagin Islands fisheries may be dominated by fewer stocks with a later run timing (Eggers et al. 1991).

5. Unlimited seine leads were eliminated at South Unimak, leads of 50 to 150 fathoms are the only legal lengths for the entire Alaska Peninsula.

6. Maximum depth restrictions were placed on all seine and gillnet gear. For the entire Alaska Peninsula Area, seine depths may not exceed 375 meshes in depth. Seine mesh may not exceed 3-1/2 inches except the first 25 meshes above the lead line may not be more than 7 inches. Gillnet gear used in South Peninsula waters may not exceed 90 meshes in depth.

7. The area comprising the South Unimak fishery was extended to include the following portions of the Southwestern District located outside the Ikatan Bay Section:

   (a) all waters north and west of a line from Cape Pankof Light to Thin Point.
   (b) all waters enclosed by a line from Thin Point to Stag Point on Deer Island to Dolgoi Cape and from Bluff Point on Dolgoi Island to Arch Point.

It is not known what impact the reduction in gear depth, adopted by the BOF prior to the 1990 season, had on gear efficiency or if the gear reduction caused a reallocation of the salmon resources between gear types. There are too many other factors influencing the harvest each year to determine how the gear changes alone effect the harvest (Shaul 1996).

In 1990, a test fishing program was instituted in the Shumagin Islands during June to aid the South Peninsula management staff in determining sockeye to chum salmon ratios and salmon average weights by species (Shaul et al. 1993). The ADF&G attempts to have commercial salmon fishing periods when the harvest of sockeye salmon is expected to be high in relation to the chum salmon harvest. The ratio of sockeye to chum salmon is normally low in early June, highest when the sockeye run peaks during mid to late June and during some years is again low during late June (Shaul et al. 1992). From 1970 through 1992, most sockeye and chum salmon were harvested during June 12-26 in both the Shumagin Islands and the South Unimak fisheries.

Test fishing occurs before the June 11 regulated opening date and between commercial salmon fishing periods, if time allows, to determine the most favorable periods of sockeye to chum salmon ratios. Test fishing was standardized to purse seine gear making 20 minute sets at Popof Head, Middle Set, and Red Bluff; additional sets are made if time allows (Figure 19; McCullough and Shaul 1992). During off-loading, the catch is separated by species, counted, and weighed. Purse seine vessels are selected randomly from a list of skippers that have expressed an interest in the test fishery.

During 1990, sockeye salmon were not available in large numbers at either the Shumagin Islands or South Unimak fisheries even though Bristol Bay experienced one of its largest runs on record (Shaul et al. 1991). Inclement weather plagued fishing operations but fish abundance also seemed low, especially in view of the large run to Bristol Bay. The Shumagin Islands sockeye harvest was 255,585 salmon with a guideline harvest of 240,000 (Appendix B.8). During June, the Shumagin Islands fishery was open to commercial salmon fishing a total of 198 hours during 9 days (Appendix B.9). The South Unimak fishery sockeye harvest was 1,090,710 salmon with a guideline harvest of 1,087,000 (Appendix B.7). During June, the South Unimak fishery was open to commercial salmon fishing for 267 hours during 13 days. The total chum harvest was 518,739 salmon, consisting of 63,501 salmon from the Shumagin Islands fishery and 455,238 salmon from the South Unimak fishery (Appendices B.3-B.5).

If the 1990 Bristol Bay forecast had been perfectly forecast, the South Unimak and Shumagin Islands guideline harvest levels would have been substantially higher (Appendices B.6-B.8). However, due to the 600,000 chum ceiling, the South Unimak fishery would have been about 1,050,000 sockeye short of its allocation while the Shumagin Islands fishery would have been about 35,000 sockeye salmon short of its corrected allocation. If there were no chum salmon cap, the Shumagin Islands fishery would have easily taken its sockeye allocation, with an estimated chum harvest of about 135,000 salmon. Even without a chum salmon cap, the South Unimak fishery would have harvested only about 1,600,000 of its corrected sockeye allocation while harvesting an estimated 700,000 chum salmon.

The 1991 regulations governing the South Peninsula fisheries were similar to the 1990 regulations. In 1991, the Shumagin Islands June sockeye harvest was 333,272 salmon, slightly below the 347,000 allocation and the chum harvest was 102,602 salmon (Appendix B.5, Shaul et al. 1992). At South Unimak the sockeye catch was 1,215,658 salmon, well below the 1,573,000 allocation and the chum harvest was 670,103 salmon (Appendix B.4). The combined South Unimak and Shumagin Islands fisheries chum catch equaled 772,705 salmon, which exceeded the 600,000 chum salmon cap and by regulation both fisheries closed.

In November 1991, the BOF changed the South Unimak and Shumagin Islands June chum cap from 600,000 fish to 40 percent of the sockeye salmon allocation and the chum cap was not to exceed 900,000 chum salmon. Due to the large 1992 Bristol Bay sockeye salmon forecast, the chum cap was established at 900,000 salmon. The 900,000 chum salmon cap generated a great deal of debate with AYK Region fishers. The BOF relied extensively on the 1987 South Unimak and Shumagin Islands chum and sockeye salmon tagging study when they increased the chum cap (Eggers et al. 1991). An error found in the 1987 tagging study indicated that the study had underestimated the impact of the South Unimak and Shumagin Islands June fisheries on AYK chum salmon stocks, including those of Norton Sound. This discovery provided enough new information for the South Unimak and Shumagin Islands chum salmon cap issue to be reconsidered at the March 1992 BOF meeting in Juneau. After reconsideration, the BOF changed the chum salmon cap to an annual 700,000 fish limit (Shaul 1996).

Prior to the 1992 South Peninsula June fisheries, ADF&G acted to minimize the harvest of chum salmon. ADF&G closed waters around Sanak Island, bounded by the latitude of Hague Rock and the longitude of Cape Pankof Light below Hague Rock's latitude to commercial salmon fishing

during June (Figure 18, Shaul et al. 1993). Historically, Sanak Island waters had been fished sporadically, but had produced unacceptably low sockeye to chum salmon ratios.

In 1992, the South Unimak harvest was 2,046,022 sockeye and 323,891 chum salmon (Appendix B.4). The Shumagin Islands fishery produced a harvest of 411,834 sockeye and 102,312 chum salmon (Appendix B.5). The Shumagin Islands sockeye catch was below the 432,000 allocation, while the South Unimak fishery exceeded the sockeye allocation by 87,022 salmon. Because the total June sockeye catch (2,457,856 salmon) exceeded the combined June allocation (2,391,000 salmon) both fisheries were closed. The combined chum harvest was 426,203 salmon, well below the 700,000 chum cap (Appendix B.3). If the 1992 Bristol Bay forecast had been perfectly forecast, the combined South Unimak and Shumagin Islands guideline harvest levels would have been 2,857,000 salmon (Appendix B.6). If the perfect forecast was available, the South Unimak and Shumagin Islands fisheries would have been able to harvest the additional 399,144 sockeye salmon and remained below the 700,000 chum cap.

In 1993, the South Unimak harvest was 2,366,573 sockeye and 381,941 chum salmon (Appendix B.4). The Shumagin Islands harvest was 607,171 sockeye and 150,306 chum salmon (Appendix B.5). For both fisheries combined the harvest was 2,973,744 sockeye and 532,247 chum salmon (Appendix B.3). The Shumagin Islands harvest was 83,171 sockeye above its allocation, while the South Unimak fishery was 8,427 sockeye below its allocation (Appendices B.7 and B.8). The guideline harvest level was exceeded in the Shumagin Islands when some salmon caught in the Shumagin Islands fishery were delivered in the South Unimak fishery without notifying the Sand Point management staff. The combined harvest for both fisheries was 2,973,744 sockeye and 532,247 chum salmon, 74,744 sockeye more than the guideline harvest level and 167,753 chum salmon less than the cap.

Prior to the 1994 commercial salmon season, the BOF eliminated the time period requirements and set June 13 as the earliest potential opening date of the South Unimak and Shumagin Islands fisheries. The BOF action gave ADF&G the flexibility to establish fishing periods based on favorable sockeye to chum salmon ratios (McCullough and Pengilly 1994).

In 1994, the South Unimak harvest was 1,001,250 sockeye and 374,409 chum salmon (Appendix B.4). The Shumagin Islands harvest was 460,013 sockeye and 207,756 chum salmon (Appendix B.5). The Shumagin Islands sockeye harvest was 187,987 sockeye below their allocation, while the South Unimak fishery was 1,936,750 sockeye below the allocation (Appendix B.7 and B.8). The combined harvest for both fisheries was 1,461,263 sockeye and 582,165 chum salmon, 2,124,737 sockeye salmon below the guideline harvest level and 117,835 chum salmon below the cap (Appendix B.3 and B.6). The guideline harvest level was not achieved because sockeye salmon were not available in large numbers in either fishery.

After the 1994 season, the Alaska Board of Fisheries implemented the following changes:

1. June fishery cannot begin prior to June 11.

2. After June 24, in either the South Unimak or Shumagin Islands fishery, if the sockeye salmon guideline harvest level and the maximum allowable harvest of chum salmon have

not been attained, and if the ratio of sockeye to chum salmon is two to one or less on any day, the next daily fishing period for seine and drift gillnet gear shall be of six hour duration in that fishery. After June 24, the South Unimak or Shumagin Islands fishery shall close for all gear types if the ratio of sockeye to chum salmon is two to one or less for any three aggregate days.

3. The Board stated its intent that the maximum harvest or less of 700,000 chum salmon supersedes attempts to reach the sockeye salmon guideline harvest levels.

   The Board eliminated the provision for the fisheries to continue into early July if weather prevented fishing at the end of June.

4. The Board eliminated mesh size requirements for gillnets during the June fisheries.

South Unimak and Shumagin Islands June 1995 Season Summary

Based on the 1995 Bristol Bay forecast, the 1995 sockeye salmon guideline harvest levels were as follows (Beverly Cross, ADF&G Anchorage, personnel communication):

June	Percent	South Unimak	Shumagin Islands	Total
Total	100%	2,987,000	659,000	3,646,000

Test fishing in the Shumagin Islands and at South Unimak indicated that the sockeye to chum salmon ratios were slightly higher than in 1994 (Appendices B.10 and B.11). Consequently, both fisheries were opened on June 13, considerably earlier than in 1994. However, the sockeye salmon harvest rates were again low similar to what occurred during 1994. Almost continuous fishing was allowed in both fisheries until the end of June, through June 30 at South Unimak, and June 29 in the Shumagin Islands where the sockeye allocation was harvested.

In 1995, the South Unimak fishery harvest was 1,451,490 sockeye and 342,307 chum salmon (Appendices B.12-B.15); the fishery was 1,535,510 sockeye under the guideline harvest level of 2,987,000 salmon (Appendix B.7). The Shumagin Islands fishery catch totaled 653,831 sockeye and 195,126 chum salmon (Appendix B.5); the fishery was 5,169 sockeye under the guideline harvest level of 659,000 salmon (Appendix B.8). The combined harvest for both fisheries was 2,105,321 sockeye and 537,433 chum salmon (Appendix B.16); 1,540,679 sockeye less than the guideline harvest level (3,646,000) and 162,567 chum less than the 700,000 cap (Appendix B.6). The guideline harvest level was not achieved because sockeye salmon were not available in large numbers in either fishery.

In the South Unimak fishery purse seine, hand purse seine, drift gillnet, and set gillnet are the legal gear types; while purse seine, hand purse seine, and set gillnets are permitted in the Shumagin Islands fishery (Figure 8). During the 1995 June fishery, purse seine fishers harvested 42.1% (611,453) of the South Unimak sockeye and 81.5% (532,952) in the Shumagin Islands fishery

(Appendix B.20). Drift gillnet and set gillnet fishers accounted for 54.6% (792,940) and 3.3% (47,097) of the South Unimak sockeye harvest, respectively. Set gillnet fishers accounted for 18.5% (120,879) of the Shumagin Islands fishery sockeye harvest. Purse seine fishers harvested 47.1% (161,199) of the South Unimak chum and 93.7% (182,894) in the Shumagin Islands fishery. Drift gillnet and set gillnet fishers harvested 50.5% (172,715) and 2.4% (8,393) of the South Unimak chum, respectively. Set gillnet fishers accounted for 6.3% (12,232) of the Shumagin Islands fishery chum harvest. For both fisheries combined purse seine fishers harvested 54.4% of the sockeye and 64.0% of the chum salmon, drift gillnet fishers harvested 37.7% of the sockeye and 32.1% of the chum salmon, while set gillnet fishers harvested 8.0% of the sockeye and 3.8% of the chum salmon (Appendices B.21 and B.22; Figures 20 and 21).

During June, the sockeye to chum salmon ratio at South Unimak was 4.24:1.0, in the Shumagin Islands the ratio was 3.35:1.0, and the overall ratio for both fisheries, all gear combined, was 3.92:1.0 (Appendix B.23). In the South Unimak fishery, the sockeye to chum salmon ratio was 3.8:1.0 for purse seine, 4.6:1.0 for drift gillnet, and 5.6:1.0 for set gillnet fishers (Appendix B.24). In the Shumagin Islands, the sockeye to chum salmon ratio was 2.9:1.0 for purse seine, and 9.9:1.0 for set gillnet fishers. During June 112 purse seine, 151 drift gillnet, and 68 set gillnet permit holders commercially fished in the South Unimak and Shumagin Islands fisheries (Appendix B.25).

South Peninsula Post June Fisheries

Introduction

Prior to 1976, post June South Peninsula fisheries were generally open five days per week, with a total season closure on August 10 to provide adequate escapement and maintain product quality (McCullough 1995). From about 1976 to 1991, the salmon fishery was managed by emergency order based on local stock run strength. Fishing periods from July 6 to about July 18 were based on chum salmon run strength, and from July 18 through about August 20 on pink salmon run strength .Fishing continued into late August in years of strong pink runs. Migratory salmon were also harvested during these openings, and contributed substantially to the total post June harvest in some years. Before 1992, South Peninsula waters east of Rock Island were opened to commercial salmon fishing about July 6, except in the Southeastern District Mainland fishery, which is managed through July 25 on a separate management plan (5 AAC 09.360. Southeastern District Mainland Salmon Management Plan) (Figure 22). Beginning September 1, fishing periods were established by emergency order and based on local coho run strength, and to a lesser degree on pink and chum salmon runs.

In November 1991, the BOF established the Post June Salmon Management Plan for the Southern Alaska Peninsula (5 AAC 09.366.) (McCullough 1995). This plan allowed for the harvest of local stocks through July 19 in terminal areas only, closing the remainder of the South Peninsula formerly opened in post June fisheries (Figure 23). The BOF decision was partially based on the concept that local pink and chum salmon could be caught in terminal areas early in the season without sacrificing product quality, while at the same time allowing migratory salmon to pass through South Peninsula waters. After July 19, the BOF concluded that South Peninsula fishers needed to harvest pink salmon in their traditional cape fishing areas to maintain product quality and

to allow for available processing capacity. Under this new plan, commercial salmon fishing from July 6-19 would be restricted to terminal fishing areas opened by emergency order, based on local stock run strength as determined by harvest and escapement rates. These areas include Zachary Bay and the northern portion of Pavlof Bay, and the Cold Bay, Thin Point, Canoe Bay, and Morzhovoi Bay Sections (Figure 24). From July 20 through the remainder of the commercial salmon season, the entire South Peninsula could be opened to commercial salmon fishing by emergency order based on local run stock strength (except in the Southeastern District Mainland fishery through July 25) (ADF&G 1995).

In early 1992, the Stepovak-Shumagin Setnet Association sued the BOF to stop the implementation of the Post June Salmon Management Plan for the Southern Alaska Peninsula (5 AAC 09.366). On July 10, 1992 , Alaska State Superior Court Judge Hopwood (Third Judicial District, Kodiak) granted an injunction staying the enforcement of the new management plan. On July 13, "traditional" commercial salmon fishing periods resumed, and additional fishing periods were announced as conditions warranted (Shaul et al. 1993).

In March 1993, the Alaska State Superior Court reconsidered the 1992 injunction staying the enforcement of the Post June Salmon Management Plan. After reconsideration the court agreed with the State of Alaska and the Post June Salmon Management Plan was again in effect for the 1993 through 1995 commercial fishing seasons.

Immature Salmon Concerns

Another factor in the 1991 BOF decision to allow commercial salmon fishing only in limited areas within South Peninsula waters were concerns for immature salmon (sockeye, chum, and chinook) which are sometimes inadvertently gilled in purse seine gear during normal fishing operations (McCullough and Shaul 1992).

In 1963 ADF&G first became aware of immature salmon catches and the presence of immature salmon in South Peninsula waters has restricted commercial fishing. These restrictions have applied, for all gear types, in affected areas during late June into July in 1963, 1968, 1969, 1974, 1979, and for purse seine fishing only during the 1989-92 and 1994 seasons (McCullough et al. 1995a). Immature salmon usually migrate out of the area by July 23, although in 1992 closures remained in effect until July 29. Historically, immature salmon have been most prevalent in the Shumagin Islands Section and the concern is restricted to purse seine gear. After 1979, regulations were adapted curtailing only purse seine fishing in affected areas (McCullough 1995). Immature salmon are gilled in the seine webbing resulting in an estimated 90-100% mortality. By regulation, seine mesh size may not exceed 3-1/2 inches except for the first 25 meshes above the lead line, which may not exceed 7 inches (ADF&G 1995). By regulation, gillnet mesh size cannot be less than 5-1/4 inches; the larger mesh size in gillnet gear allows immature salmon to pass through unaffected.

In 1990, a test fishing program was instituted in the Shumagin Islands to determine the presence and abundance of immature salmon in South Peninsula waters prior to commercial fishing periods in July. In the Shumagin Islands Section, most purse seine fishing effort occurs in the near shore

waters of Popof Island from Popof Head to Red Bluff, so test fishing sites were established in that area (Figure 19).

Post June Fisheries 1995 Season Summary

In accordance with the South Peninsula Post June Salmon Management Plan and exclusive of the SEDM fishery, most of the South Peninsula remained closed to commercial salmon fishing from July 1-19. In those areas of the South Peninsula open to commercial fishing from July 1 through July 19, exclusive of the SEDM fishery and test fish catches, the harvest was 98,517 salmon composed of 3 chinook, 21,518 sockeye, 584 coho, 33,170 pink, and 43,208 chum salmon (McCullough 1995).

In 1995, test fishing in the Shumagin Islands prior to the July 20 general fishing period indicated that immature salmon were present, but not in sufficient numbers to close South Peninsula fisheries to purse seine gear (Appendix C.6). The South Peninsula opened to commercial fishing on July 20 and remained open almost continuously until August 19 when buyers quit purchasing pink salmon. The South Peninsula, exclusive of the SEDM fishery, harvest from July 20 through August 31 was 15,566,568 salmon composed of 1,795 chinook, 446,667 sockeye, 195,628 coho, 13,976,946 pink, and 945,532 chum salmon (McCullough 1995).

The fall fishery occurs from September 1 through October 31, and commercial salmon fishing periods are based primarily on local coho runs and in some areas on late chum runs. In 1995 the entire South Peninsula harvest, including the SEDM fishery, from September 1 through the end of the fishing season was 148,313 salmon composed of 3 chinook, 110,657 sockeye, 26,013 coho, 1,710 pink, and 9,860 chum salmon (McCullough 1995).

South Peninsula post June catches of all species have generally been increasing. With few exceptions (SEDM fishery, Thin Point Cove, Morzhovoi Bay, and fall fisheries) most fishing periods are based on pink and chum salmon. During directed pink and chum purse seine fisheries, incidental harvests of chinook, sockeye, and coho occur, while most drift and set gillnet effort is directed toward sockeye and coho salmon (McCullough 1990).

Effort Levels

From 1977 through 1990, the use of permits in this fishery showed an increasing trend and peaked in 1989 (Appendix C.1). The number of purse seine permits fished peaked in 1979 while drift gillnet and set gillnet use peaked in 1989 and 1990, respectively (Appendices C.2-C.4). During the last ten years, the number of active purse seine permits has fluctuated but remained relatively constant, drift gillnet permit use has declined, and set gillnet activity has increased. During the 1995 season, 112 purse seine, 18 drift gillnet, and 77 set gillnet permits were fished.

The number of landings made in this fishery show similar trends and peaked in 1989 (Appendix C.1). The number of purse seine landings peaked in 1985 while drift gillnet and set gillnet landings peaked in 1989 and 1992, respectively (Appendices C.2-C.4). During the last ten years, the number of purse seine landings has generally decreased, drift gillnet landings have significantly

decreased, and set gillnet landings have increased. During the 1995 season, 2,010 purse seine, 126 drift gillnet, and 2,092 set gillnet landings were made.

Harvest

During the last twenty years, post June catches of all species in the South Peninsula have averaged 7,725,985 salmon and ranged from 88,838 in 1975 to 18,378,036 salmon in 1995 (Appendix C.5). From 1976 through 1995, the South Peninsula post June harvest averaged 3,411 chinook, 495,555 sockeye, 243,870 coho, 6,116,777 pink, and 866,374 chum salmon. During the last ten years, the average harvest indicates an increased catch of all species when compared to the 20-year average. From 1986 through 1995, the harvest averaged 9,332,294 salmon composed of 3,987 chinook, 726,281 sockeye, 315,960 coho, 7,294,254 pink, and 991,812 chum salmon. Most post June South Peninsula salmon are harvested with purse seine gear although the sockeye salmon catch is more evenly distributed between purse seine and set gillnet gear (Appendices C.7-C.11).

Chinook

The 1995 post June South Peninsula chinook harvest of 2,079 was the second smallest catch since 1985, and below the most recent ten year (1986-95) average harvest of 3,987 chinook (Appendix C.1). From 1986 through 1995, the average South Peninsula post June chinook harvest (3,987) increased slightly from the twenty year (1976-95) average catch of 3,411 chinook (Appendix C.7; Figure 9). In 1983, the largest reported chinook catch occurred, 12,833 salmon. During the past ten years, purse seine fishers caught 88.3% of the chinook harvest, while drift gillnet and set gillnet fishers accounted for 2.3% and 9.3%, respectively. Recent harvest trends indicate that set gillnet fishers are catching an increasing proportion of the total chinook harvest.

Sockeye

The 1995 South Peninsula post June sockeye harvest was 824,679 salmon, and exceeded the most recent ten year average harvest of 726,281 sockeye. From 1986 through 1995, the average South Peninsula post June sockeye harvest (726,281) increased substantially from the twenty year (1976-95) average catch of 495,555 sockeye (Appendix C8; Figure 10). In 1990, the largest reported sockeye catch occurred, 1,039,265 salmon. Since 1990, the trend of increasing sockeye harvests may have leveled off due to closures during July 1-19 in most of the South Peninsula. During the past ten years, purse seine fishers caught 48.9% of the sockeye harvest, while drift gillnet and set gillnet fishers accounted for 6.4% and 44.7%, respectively (Figure 25). Recent harvest trends indicate that set gillnet fishers are catching an increasing proportion of the total sockeye harvest

Coho

In the South Peninsula, coho are the only species where long term post June harvest records are available (Appendix C.5). Historically, South Peninsula coho catches have demonstrated long periods of varying abundance (Figure 11). From 1923 through 1946, coho catches were at a relatively high level; from 1947 through 1958 the average was about a third of the 1923-46 harvest level; from 1959-77 the harvest was very low, with only 67 coho salmon caught in 1975, (from 1970 through 1977 only limited fishing periods occurred due to weak pink salmon runs). After 1977, coho harvests increased substantially averaging 243,870 from 1976-95 and 315,960 from 1986-95. In 1988, the largest reported coho catch occurred, 505,278 salmon (Appendix C.9).

The 1995 South Peninsula post June coho harvest was 254,581 salmon, and was below the most recent ten year (1986-95) average harvest of 315,960 coho. The 1986-95 trend toward higher coho catches appears to have reversed with fisheries closures during July 1-19 in most of the South Peninsula. Since 1993, coho harvests seems to have stabilized between 240,000 to 250,000 salmon. During the past ten years, purse seine fishers caught 72.2% of the coho harvest, while drift gillnet and set gillnet fishers accounted for 14.0% and 13.7%, respectively (Figure 26). Recent harvest trends indicate that set gillnet fishers are catching an increasing proportion of the total coho harvest while drift gillnet fishers are harvesting fewer coho salmon.

Pink

The 1995 post June South Peninsula harvest of 16,123,733 pink salmon was a record, more than doubling the most recent ten year (1986-95) average pink harvest (Figure 12). From 1986 through 1995, the average South Peninsula post June pink harvest was 7,294,254 salmon and has increased substantially from the twenty year (1976-95) average catch of 6,116,777 pink salmon (Appendix C.10). During the past ten years , purse seine fishers caught 95.3% of the pink harvest, while drift gillnet and set gillnet fishers accounted for 0.7% and 4.0%, respectively. Pink salmon harvest trends have not changed in recent years.

Chum

The post June chum harvest of 1,172,964 salmon, also exceeded the most recent ten year (1986-95) average harvest of 991,812 chum salmon. From 1986 through 1995, the average South Peninsula post June chum harvest (991,812) has also increased from the twenty year (1976-95) average catch of 866,374 chum salmon (Appendix C.11). In 1994, the largest reported chum catch occurred, 1,593,590 salmon. The 1994 record harvest can be attributed to exceptionally large numbers of late run chum salmon in the Volcano Bay Section of the Southwestern District. During the past ten years, purse seine fishers caught 87.9% of the chum harvest, while drift gillnet and set gillnet fishers accounted for 3.5% and 8.6%, respectively. Recent harvest trends indicate that purse seine fishers are harvesting chum salmon slightly above the ten year average (91.5% in 1994 and 88.6% in 1995).

When comparing harvest figures among reporting areas (Southeastern, South Central, Southwestern, and Unimak Districts) most post June salmon were harvested in the Southeastern District, followed by the Southwestern District, the South Central District and the Unimak District (Appendix A.9).

Escapement

From 1976 through 1995, South Peninsula total indexed escapement averaged 3,113,155 salmon composed of 72,985 sockeye, 2,547,843 pink, and 492,327 chum salmon (Appendix F.2). From 1986 through 1995, South Peninsula total indexed escapement averaged 3,368,030 salmon composed of 91,231 sockeye, 2,781,547 pink, and 495,253 chum salmon. No chinook salmon spawn in South Peninsula waters and coho salmon escapement data, for most of the area, are not collected annually.

Sockeye

The 1995 South Peninsula total indexed sockeye escapement of 129,110 salmon was a record. During the last twenty years, the sockeye indexed escapement has ranged from 39,200 in 1982 to 129,110 in 1995 and averaged 72,985 salmon (Figure 15). During the last ten years, sockeye indexed escapement averaged 91,231 salmon. Orzinski Lake, Thin Point Lake, and Middle Lagoon are the primary sockeye producers in the South Peninsula. In 1995, these areas met escapement goals while Acheredin Lake was below its desired escapement goal (Appendix F.5).

Coho

Due to limited survey data, no 1995 coho indexed escapement was calculated for the South Peninsula. In 1990, the most complete coho survey to date occurred and the indexed coho escapement was 87,500 salmon. In 1994 and 1995, Thin Point Lake was the only major area surveyed for coho salmon, the largest count (which may not have been the peak count), was about 13,000 salmon during both years. The escapement was well above the in-river escapement goal of 4,500 to 7,500 coho salmon.

Pink

The 1995 South Peninsula total indexed pink escapement of 6,406,300 salmon was also a record. During the last twenty years, the pink indexed escapement has ranged from 851,200 in 1983 to 6,406,300 in 1995 and averaged 2,547,843 salmon. During the last ten years, pink indexed escapement averaged 2,781,547 salmon (Figure 16). In 1995 the pink salmon run, with nearly continuous fishing from July 20 through August 19, was underutilized, escapements were excellent with nearly all streams substantially exceeding the upper range of the escapement goal.

Chum

The 1995 South Peninsula total indexed chum escapement of 726,400 salmon was the largest escapement since 1977. During the last twenty years, the chum indexed escapement has ranged from 310,500 in 1989 to 774,900 in 1977 and averaged 492,327 salmon. During the last ten years chum indexed escapement averaged 495,253 salmon (Figure 17). In 1995, chum escapements generally met escapement objectives. Escapements were good in the Stepovak Flats Section and excellent at Canoe Bay, Volcano Bay, Belkofski Bay, and Cold Bay.

Since 1986, a second method has also been used to calculate escapements in the South Peninsula, the estimated total escapement (ETE). The ETE method employs expansion factors for sockeye and coho salmon and the area-under-the-curve method (Johnson and Barrett 1988) to determine pink and chum salmon escapements. The 1995 South Peninsula ETE was 162,169 sockeye, 36,420 coho, 9,666,365 pink, and 979,754 chum salmon (coho escapement is incomplete due to the late timing of the runs) (Appendix F.1). The 1995 estimated total sockeye escapement was 50,593 salmon greater than the 1986-95 average of 111,576 sockeye (Appendix F.3). The 1995 estimated total pink escapement was 5,886,951 salmon greater than the ten year (1986-95) average of 3,779,414 pink salmon. The 1995 estimated total chum escapement was 372,480 salmon more than the ten year (1986-95) average of 607,274 chum salmon.

Southeastern District Mainland Fishery

Introduction

Southeastern District. The Southeastern District is divided into two fisheries: 1) Southeastern District Mainland fishery (SEDM) and 2) Shumagin Islands Section fishery.

The Southeastern District Mainland (SEDM) fishery of Area "M" is located on the south side of the Alaska Peninsula (Figures 2 and 3). Included in this fishery are the Beaver Bay, Balboa Bay, Southwest Stepovak, Northwest Stepovak, East Stepovak, and Stepovak Flats Sections (Figure 7). Through the present BOF management plan, Orzinski (Orzenoi) Bay and the Stepovak Flats Section are managed on local stocks the entire season, and the remainder of the area is managed, through July 25, on an allocation based on the strength of the Chignik sockeye runs. After July 25, the entire area is managed on local stocks (McCullough and Campbell 1995)..

During the last twenty years, set gillnet fishers have taken about 89% of the total SEDM sockeye harvest through July 25, and purse seine fishers have harvested the remainder about 11% (Appendix D.10). Since 1978, set gillnet gear is the only legal gear type allowed through July 10 and after July 10 fishing periods are established by emergency order.

Fishing effort during June and most of July primarily targets Chignik bound sockeye salmon. The Orzinski Lake sockeye run in the Northwest Stepovak Section and July chum salmon runs in the Stepovak Flats Section are targeted to a lesser degree. The peak of the local pink and chum salmon runs occur during late July through mid August. The fishery is usually closed during mid to late August to achieve desired pink and chum escapement goals and is reopened in September to harvest coho salmon. Sockeye salmon are known to migrate through the area during the entire season (Campbell 1995).

Prior to 1974, the SEDM fishery was regulated by set weekly fishing periods which were generally five days per week in duration. From 1974 through 1977, the fishery was open on a day per day basis with Chignik Lagoon. During some years, such as 1977, only short fishing periods were required to harvest large runs in Chignik Lagoon while daily harvest rates and the total harvest in the SEDM fishery were low.

In 1978, the BOF restricted fishing periods to three days per week for set gillnet gear only through July 10. In 1978, harvest rates through July 25 were low despite strong Chignik runs, resulting in a SEDM catch of only 31,197 sockeye, of which 21,952 sockeye were considered Chignik destined salmon (Appendices D.10 and D.11). From 1973 through 1978, an average of about 20 set gillnet fishers participated in this fishery during the entire season (Appendix D.14).

During the winter of 1978-79, the BOF increased fishing time from three days to five days per week but specified that not more than 60,000 estimated Chignik sockeye salmon could be harvested through July 10. The BOF stipulated that the fishery could be closed if it became apparent that the Chignik escapement requirements were not assured. The BOF also stated that if the Chignik Area catch exceeded 1,000,000 sockeye before July 10, the SEDM fishery could continue beyond the 60,000 sockeye salmon ceiling. This management plan remained in effect until 1985.

From 1979 through 1982, SEDM fishers harvested an average of over 76,000 sockeye salmon annually, and about 61,000 sockeye through July 25; 5.1% of the total Chignik bound sockeye harvest (Appendices D.12 and D.13; Figure 27). This harvest was achieved even though numerous fishery closures were needed because of weak Chignik Area sockeye escapements. Set gillnet permit activity increased from 23 permits in 1978 to 41 permits in 1982 (Appendix D.14).

In 1983 an estimated 227,392 Chignik destined sockeye salmon were harvested in the SEDM fishery through July 25 (Appendix D.13). Most of the sockeye (76%) were harvested between July 10 and August 10.

In 1984, set gillnet effort increased to 57 permits for the entire season, of which five were operated by purse seine permit holders. Due to an exceptionally large early Chignik run, a large number of fish available in the SEDM area, and high gear levels, only 6 days were required to harvest an estimated 60,000 Chignik bound sockeye salmon. The SEDM fishery was closed for only 3 days before the Chignik sockeye harvest reached 1,000,000 salmon, and the SEDM fishery was reopened on June 14. In 1984, the late Chignik sockeye salmon run was not as strong as predicted. The Chignik second run escapement goal was reached only after considerable curtailment of the SEDM, Chignik, and Cape Igvak (Kodiak Area) fisheries during mid-July. The total 1984 SEDM harvest of Chignik destined sockeye salmon through July 25 was 423,068 fish (Appendices D.11-D.13).

Current Management Plan

For the 1985 season, the BOF developed a management plan based on the Cape Igvak Salmon Management Plan instead of using a set fishing schedule. The BOF plan directed the department to manage the fishery so that the number of sockeye salmon taken in the SEDM fishery (exclusive of the Northwest Stepovak Section) was as near as possible to 6.2% of the total Chignik bound sockeye salmon harvest through July 25. The Department re-evaluated the data used to calculate the allocation and determined that 6.0% was the correct figure. Therefore, the BOF changed the allocation to 6.0% beginning with the 1988 season. However, before the SEDM fishery could open the following criteria had to be met:

1) a harvestable surplus beyond the escapement goals for the first and second runs of Chignik River system sockeye was expected to be more than 600,000, and

2) the Department determined that the runs were as strong as expected.

In years when a harvestable surplus for the first and second runs of Chignik River system sockeye salmon was expected to be less than 600,000, no commercial salmon fishery targeting Chignik sockeye salmon would be allowed in the SEDM fishery until a harvest of 300,000 sockeye salmon was achieved in the Chignik area. After July 9, fishing in the SEDM might occur provided at least 300,000 sockeye salmon had been harvested in the Chignik Area, escapement goals were being met, and the Chignik Area harvest was anticipated to total at least 600,000. In addition, the SEDM fishery harvest needed to be at or near 6.0% of the total Chignik bound sockeye salmon harvest.

From 1985 through 1991, the harvest of Chignik bound sockeye salmon in the SEDM, through July 25, averaged 88,776 fish and 5.5% of the total Chignik bound sockeye salmon harvest.

The current BOF management plan was first implemented in the 1992 season. The revised plan included two significant changes as follows:

1) the area in the Northwest Stepovak Section to be managed on a local stock basis was reduced to include only the waters of Orzinski Bay; the Stepovak Flats Section would continue to be managed on the basis of the Stepovak River chum salmon stock (Figure 7).

2) the allowable harvest of sockeye salmon in the SEDM fishery (exclusive of Orzinski Bay) through July 25, was increased from 6.0% to 7.0% of the total Chignik bound sockeye salmon catch.

The total Chignik bound sockeye salmon catch is estimated by adding 80% of the SEDM catch (excluding Orzinski Bay) to 80% of the Cape Igvak catch plus the entire Chignik Area sockeye salmon catch.

Management attempts to reach the 7% sockeye salmon allocation on July 10, and again on July 25, to achieve an equitable allocation of harvest between set gillnet and purse seine gear.

There are two distinct sockeye salmon runs into the Chignik River system; the Black Lake run and the Chignik Lake run. Based on previous tagging studies, the two runs overlap in run timing in the SEDM and Cape Igvak fisheries from about June 26 through July 9. During the overlap period, the strength of the second run (Chignik Lake) cannot be evaluated. In order to prevent overharvest of the second run, the Cape Igvak and SEDM fisheries (except Orzinski Bay) are usually closed during this period. However, fishing may continue in Chignik, where fishing may be allowed to harvest excess early run sockeye salmon, even though second run fish are present .

During the last twenty years, the SEDM harvest of Chignik destined sockeye salmon through July 25 averaged 106,264 fish (6.8% of the total Chignik bound harvest) (Appendix D.11). The 1995 SEDM harvest of Chignik bound sockeye through July 25 was 88,302 sockeye (6.84% of the total Chignik bound harvest) (Appendix D.12; Figure 27). During the past ten years, set gillnet fishers averaged 89.7% of the SEDM sockeye harvest through July 25, with purse seine fishers accounting for the remainder (10.3%) (Figure 28).

Effort Levels

Since 1978, a substantial increase in set gillnet effort has occurred in the SEDM fishery. The number of set gillnet permits fished for the entire season increased from 23 permits in 1978 to a high of 65 in 1993, with 62 permits fished in 1995 (Appendix D.14). For the last ten years, set gillnet effort for the entire season averaged 57 permits, and 1,095 landings. Previously, many fishers participated in both set gillnet and purse seine fishing, and received a limited entry permit for each gear type. During the 1970's and 1980's, many of the dual permit holders sold or transferred their set gillnet permits and retained their purse seine permits. This action increased effort in the SEDM fishery, since many permits which were previously used part-time were now fished full-time.

The number of set gillnet landings, for the entire season, have also increased from 235 in 1978 to 1,464 in 1995 (Appendix D.14). Annual set gillnet landings in the SEDM averaged 802 from 1976 through 1985, and 1,095 from 1986 through 1995. From 1991 through 1995, set gillnet effort and landings for the entire season have remained relatively stable, averaging 62 permits and 1,357 landings. During the last ten years, the annual SEDM set gillnet sockeye harvest has averaged 246,281 salmon (80.8% of the catch) (Appendix D.15).

Purse seine effort in the SEDM fishery has also increased, from 45 permits in 1978 to a high of 75 permits in 1989, with 56 permits fished during the entire 1995 season. Purse seine effort through July 25 has fluctuated dramatically since 1986. For the last ten years, annual SEDM purse seine effort has averaged 60 permits, and 247 landings, while the annual purse seine sockeye harvest has averaged 58,491 salmon (19.2% of the catch).

Local Stocks Fisheries

Orzinski Bay

Commercial salmon fishing in Orzinski Bay, and in the Stepovak Flats Section are managed on a local stock basis for the entire season (Figure 7). All of the sockeye salmon caught within Orzinski Bay are considered to be of Orzinski Lake stock. Of those sockeye salmon caught in the remainder of the SEDM fishery 80% are considered to be from the Chignik River system runs. Through July 25 Orzinski Bay fisheries are managed on the Orzinski Lake sockeye salmon escapement. After July 25 the entire SEDM area is managed on local stocks (sockeye, pink, chum, and coho salmon).

Orzinski Lake sockeye salmon escapements were assessed using a weir from 1935 through 1941, and from 1990 through 1995 (Appendix D.16). Based on historical aerial surveys and weir counts, sockeye escapement requirements for Orzinski Lake by time periods were developed and implemented beginning with the 1991 season. The sockeye escapement goal for Orzinski Lake is 20,000 adult salmon. From 1990 through 1995, the sockeye escapement has averaged 28,800, and ranged from a high of 40,000 in 1991 to a low of 15,000 in 1990. Since 1990, July 8 is the average date when 50% of the total sockeye escapement requirement of 20,000 salmon has been achieved. In 1994, sockeye escapement into Orzinski Lake was 38,000 salmon, while in 1995, the total escapement was 30,000 sockeye (Appendix F.6). In 1995, the total Orzinski Lake sockeye run was estimated at 92,220 salmon (catch plus escapement). During 1995, 18 pink salmon were also counted through the Orzinski Lake weir.

Stepovak Flats Section

Commercial salmon fishing in the Stepovak Flats Section is managed on the basis of chum salmon returning to Stepovak Flats streams. Through July 11, this section is usually opened on a day per day basis with the remainder of the SEDM fishery. Eighty percent of the sockeye salmon harvested in this section are assigned as Chignik bound fish, and are included as part of the 7.0% allocation criteria stated in the SEDM management plan. The entire section is closed to salmon fishing by regulation after July 28 to protect schooling chum salmon which are needed to achieve escapement requirements.

Southeastern District Mainland 1995 Season Summary

The 1995 forecast for the total harvest of Chignik bound sockeye salmon was 1,500,000 salmon for the first (Black Lake) run and 650,000 salmon for the second (Chignik Lake) run (Owen and Sarafin 1995). The forecast indicated that a fishery should occur in the SEDM targeting Chignik bound sockeye salmon since a harvest of at least 600,000 sockeye was expected in the Chignik Management Area which is one of the conditions of the management plan.

In 1995, the first fishing period in the SEDM occurred on June 11 and the last delivery was made on October 5. Through July 25, 159,381 sockeye salmon were harvested in the entire SEDM, 87.5% by set gillnet permit holders and the remainder (12.5%) by purse seine permit holders. The estimated Chignik component of the harvest through July 25 was 88,302 sockeye, 6.84% of the total Chignik bound sockeye salmon harvest. The SEDM fishery, excluding Orzinski Bay, estimated harvest of Chignik bound sockeye for the entire season was 269,804 salmon (Appendix D.17). The Orzinski Bay harvest contributed 49,004 sockeye through July 25, and 62,220 sockeye for the entire season, to the SEDM fishery (Appendix D.18).

Since 1992, when the current Southeastern District Mainland Salmon Management Plan went into effect, the harvest of Chignik bound sockeye salmon, through July 25, in the SEDM has averaged 6.9%, and ranged from 7.15% in 1992 to 6.66% in 1993. The current plan of harvesting 7.0% of the total Chignik bound sockeye salmon, through July 25, has been achieved the past four seasons, and the escapement goals at Orzinski Lake continue to be attained.

The September (fall) fishery in the SEDM was opened on September 1 and the last landing occurred on October 5. Due to light effort in late September, the commercial fishing season was extended through October 31 using a Monday through Friday fishing schedule.

During 1995 SEDM fall fishery (September 1-October 5) 111,834 salmon were harvested composed of 2 chinook, 87,285 sockeye, 16,198 coho, 407 pink, and 7,942 chum salmon (Appendix D.1). The 1995 SEDM annual harvest was 2,748,035 salmon composed of 498 chinook, 399,475 sockeye, 48,547 coho, 2,112,539 pink, and 186,976 chum salmon.

Shumagin Islands 1995 Season Summary

During July 1-19, Zachary Bay is the only area in the Shumagin Islands open to commercial salmon fishing and the total 1995 harvest, excluding test fish harvest, was 22,042 salmon consisting of 16 chinook, 1,268 sockeye, 360 coho, 10,532 pink, and 9,866 chum salmon. (McCullough 1995).

During July and August pink salmon dominated the harvest. Commercial salmon fishing continued until noon on August 28 when the Shumagin Islands Section was closed to achieve escapement requirements for late pink and chum and early coho salmon.

The September (fall) fishery in the Shumagin Islands Section opened on September 1 and the initial fishing period was of 12 hours in duration. During the initial fishing period, 12 permit holders

made 17 landings for a total harvest of 5,392 salmon composed of 2,639 sockeye, 1,055 coho, 1,189 pink, and 509 chum. Due to light effort, and relatively strong coho salmon catches for early September, the commercial fishing season was extended through October 31. Set fishing periods ran from Mondays through Fridays. In 1995, the last landing in the Shumagin Islands fishery occurred on October 9. The total harvest for the 1995 Shumagin Islands fall fishery (September 1-October 9) was 30,951 salmon composed of 1 chinook, 21,998 sockeye, 5,992 coho, 1,303 pink, and 1,657 chum salmon.

The 1995 Shumagin Islands Section post June (July 1-October 31) total salmon harvest was 6,086,383 salmon composed of 1,674 chinook, 295,690 sockeye, 161,292 coho, 5,325,186 pink, and 302,541 chum salmon (Appendix C.12). The pink salmon catch was the highest on record, while chinook and coho catches were larger than during 1994, but below the 10-year (1986-95) average of 2,886 and 194,805 salmon, respectively. Sockeye and chum catches were also larger than during 1994 and slightly above the 10-year average of 295,374 and 298,518 salmon, respectively.

Since the mid 1970's the effort levels and the number of landings have increased for all gear types in the Shumagin Islands Section. From 1986 through 1995, the effort levels in the post June fishery have averaged 72 for purse seine gear and 51 for set gillnet gear (Appendices C.13 and C.14). During the past ten years, the annual number of landings has averaged 667 for purse seine and 695 for set gillnet permit holders.

Recent trends in the post June fishery indicate set gillnet fishers are catching an increasing proportion of the total sockeye salmon harvest. This increasing harvest proportion is illustrated by comparing the most recent 10 year (36.0%) and 20 year (30.0%) averages of percent of sockeye harvest by set gillnet gear type (Appendices C.12-C.14). Some of the increased sockeye salmon catch by gillnet fishers is the result of the Shumagin Islands being closed to purse seine gear during part of July in 1989 through 1994 due to the presence of immature salmon. During the last ten years, catch data indicates an increasing percent of coho being caught by set gillnet fishers from 1.4% (1976-85) to 7.4% (1986-95). During the last ten years, purse seine fishers have caught an average of 92.6% of the post June coho salmon harvest (Appendix C.13).

Southeastern District 1995 Season Summary

The post June harvests of all species in the Southeastern District have increased since 1970 and averaged 3,377,954 salmon from 1976 through 1995 and 4,610,835 salmon during the last ten years (Appendix D.7). Most of the increase in harvest was a result of strong pink returns since 1978, including a record pink harvest in 1995. The 1995 Southeastern District post June salmon harvest totaled 8,762,855 salmon composed of 1,920 chinook, 628,812 sockeye, 209,776 coho, 7,437,500 pink, and 484,847 chum salmon.

During the fall fishery (September 1 - October 9) the Southeastern District harvest totaled 142,785 salmon composed of 3 chinook, 109,283 sockeye, 22,190 coho, 1,710 pink, and 9,599 chum salmon (McCullough 1995). For the Southeastern District fall fishery a new record high harvest of 109,283 sockeye occurred in 1995, surpassing the next highest harvest of 66,672 sockeye in 1990.

The 1995 Southeastern District estimated total escapement (ETE) was 36,475 sockeye, 2,580 coho, 3,198,103 pink, and 127,150 chum salmon (Appendix F.3; coho data are incomplete). The estimated chum salmon escapement may be low due to a lack of late season aerial surveys. Chum salmon escapements were good in the Stepovak Flats Section. Pink escapements were excellent throughout the district. Sockeye escapements were generally good; Orzinski Lake exceeded escapement goals, however, Acheredin Lake sockeye escapement was below desired goals.

South Central District 1995 Season Summary

The 1995 South Central District post June harvest totaled 4,173,046 salmon composed of 41 chinook, 67,878 sockeye, 3,111 coho, 3,925,189 pink, and 176,827 chum salmon (Appendix C.15). The 1995 South Central District ETE was 3,991,809 salmon composed of 4,675 sockeye, 720 coho, 3,691,253 pink, and 295,161 chum salmon (Appendix F.3; coho data are incomplete).

Southwestern District 1995 Season Summary

The 1995 Southwestern District post June harvest totaled 5,441,662 salmon composed of 118 chinook, 127,817 sockeye, 41,634 coho, 4,760,969 pink, and 511,124 chum salmon (Appendix C.16). The 1995 Southwestern District ETE was 3,436,861 salmon composed of 117,979 sockeye, 32,400 coho, 2,729,775 pink, and 556,707 chum salmon (Appendix F.3; coho data are incomplete).

Unimak District 1995 Season Summary

The 1995 Unimak District post June harvest totaled 473 salmon composed of 172 sockeye, 60 coho, 75 pink, and 166 chum salmon (Appendix C.17). The 1995 Unimak District ETE was 51,730 salmon composed of 3,040 sockeye, 720 coho, 47,234 pink, and 736 chum salmon (Appendix F.3; coho data are incomplete).

LITERATURE CITED

ADF&G (Alaska Department of Fish and Game). 1995. 1995-96 Alaska Peninsula, Atka-Amlia, and Aleutian Islands Areas Commercial Salmon and Miscellaneous Finfish Regulations, 1995 edition. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Juneau.

Campbell, R.D. 1995. The Southeastern District Mainland Salmon Fishery of Area M. Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K95-50, Kodiak.

Eggers, D.M., K.A. Rowell, and B.M. Barrett. 1991. Stock Composition of Sockeye and Chum Salmon Catches in Southern Alaska Peninsula Fisheries in June. Department of Fish and Game, Division of Commercial Fisheries, Fishery Research Bulletin 91-01 (revised March 3, 1992), Juneau.

Holmes, P.B, and A.R. Shaul. 1996. Aleutian Islands and Atka-Amlia Islands Management Areas Annual Salmon Management Area Report, 1995. Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K96-45, Kodiak.

Johnson, B.A., and B.M. Barrett. 1988. Estimation of Salmon Escapement Based on Stream Survey Data: a Geometric Approach. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K88-35, Kodiak.

Kron, T. 1994. Stock Status of Western Alaska-Bering Sea Chum Salmon. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Report to the NPFMC, January, 1994, Anchorage.

McCullough, J.M. 1990. Discussion of the Incidental Sockeye Harvest in the Shumagin Islands Section Post June Fishery. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K90-1, Kodiak.

McCullough, J.M., and R.D. Campbell. 1995. Southeastern District Mainland (Alaska Peninsula Area) Salmon Management Plan, 1995. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K95-23, Kodiak.

McCullough, J.M., and D. Pengilly. 1994. An Analysis of South Unimak and Shumagin Islands June Fisheries Sockeye Salmon Guideline Harvest Level Time Periods. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K94-45.

LITERATURE CITED (Cont.)

McCullough, J.M., and A.R. Shaul. 1992. The Incidence of Immature Salmon in South Peninsula Purse Seine Fisheries, 1963-91. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K92-17, Kodiak.

McCullough, J.N., A.R. Shaul, R.D. Campbell, and R.S. Berceli. 1995[a]. South Peninsula Annual Salmon Management Report, 1994. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K95-46, Kodiak.

McCullough, J.N., A.R. Shaul, and R.D. Campbell. 1995[b]. Post June Salmon Management Plan for the South Alaska Peninsula, 1995. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K95-21, Kodiak.

McCullough, J.N. 1995. South Alaska Peninsula Post June and Aleutian Islands Management Area Salmon Fisheries and Stock Status. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K95-51, Kodiak.

Murphy, R.L. 1992. Number of Salmon Systems and Distribution of Escapements in the Alaska Peninsula and Aleutian Islands Management Areas, 1986-91. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K92-15, Kodiak.

Murphy, R.L., A.R. Shaul, and R.S. Berceli. 1996. North Alaska Peninsula Commercial Salmon Annual Management Report, 1995. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K96-46, Kodiak.

Nelson, P.A. and R.L. Murphy. 1996. Alaska Peninsula Management Area Salmon Escapement and Catch Sampling Results, 1995. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K96-36, Kodiak.

Ogura, M., and S. Ito. 1994. Change in the Known Ocean Distribution of Japanese Chum Salmon, *Oncorhynchus keta*, in Relation to the Progress of Stock Enhancement. Can. J. Fish. Aquat. Sci., Vol 51: 501-505.

Owen, D.L. and D.R. Sarafin. *In press.* Chignik Management Area Annual Finfish Management Area Report, 1995. Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report, Kodiak.

LITERATURE CITED (Cont.)

Shaul, A.R., and L.J. Schwarz. 1989. 1988, Alaska Peninsula and Aleutian Islands Areas Salmon and Herring Annual Management Report. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K89-11, Kodiak.

Shaul, A.R. and R.S. Berceli. *In press.* Annual Summary of the Commercial Salmon Fishery and a Report on Salmon Subsistence and Personnel Use Fisheries for the Alaska Peninsula and Aleutian Islands Management Areas, 1995. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report, Kodiak.

Shaul, A.R., L.J. Schwarz, and A.J. Quimby. 1990. 1989, Alaska Peninsula and Aleutian Islands Areas Salmon and Herring Annual Management Report. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K90-10, Kodiak.

Shaul, A.R., J.N. McCullough, A.J. Quimby, R.S. Berceli, and M.E. Stopha. 1991. 1990, Annual Salmon and Aleutian Islands Areas Salmon and Herring Annual Management Report. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K91-12, Kodiak.

Shaul, A.R., J.N. McCullough, M.L. Wood, R.S. Berceli, and M.E. Stopha. 1992. Annual Salmon and Herring Management Report 1991, Alaska Peninsula and Aleutian Islands Areas. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K92-18, Kodiak.

Shaul, A.R., J.N. McCullough, R.L. Murphy, P.B. Holmes, R.S. Berceli, and M.E. Stopha. 1993. Alaska Peninsula and Aleutian Islands Management Areas Annual Salmon Management Report, 1992. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K93-30.

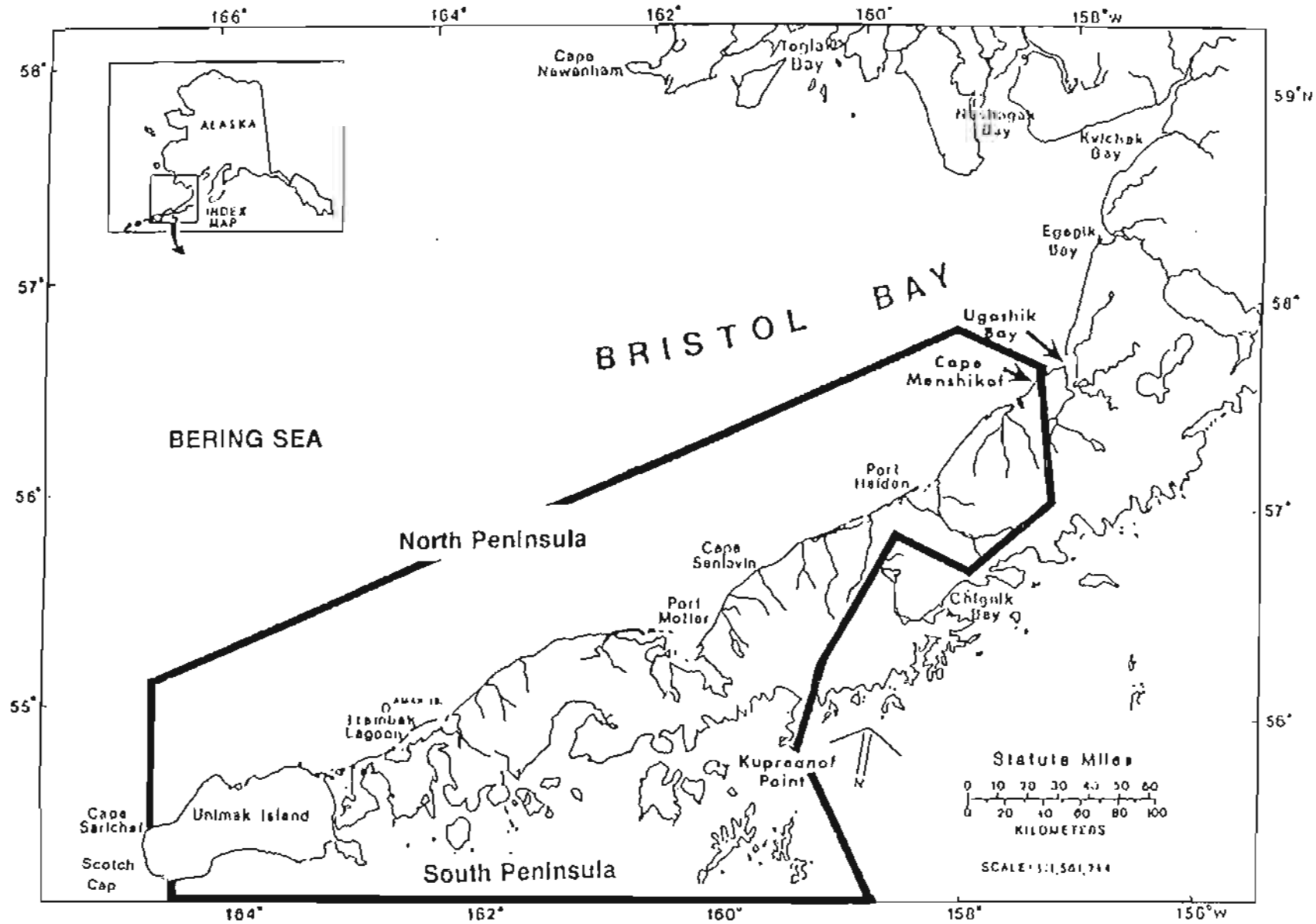

Figure 1. Map of the Alaska Peninsula Management Area, with the North and South Peninsula defined.

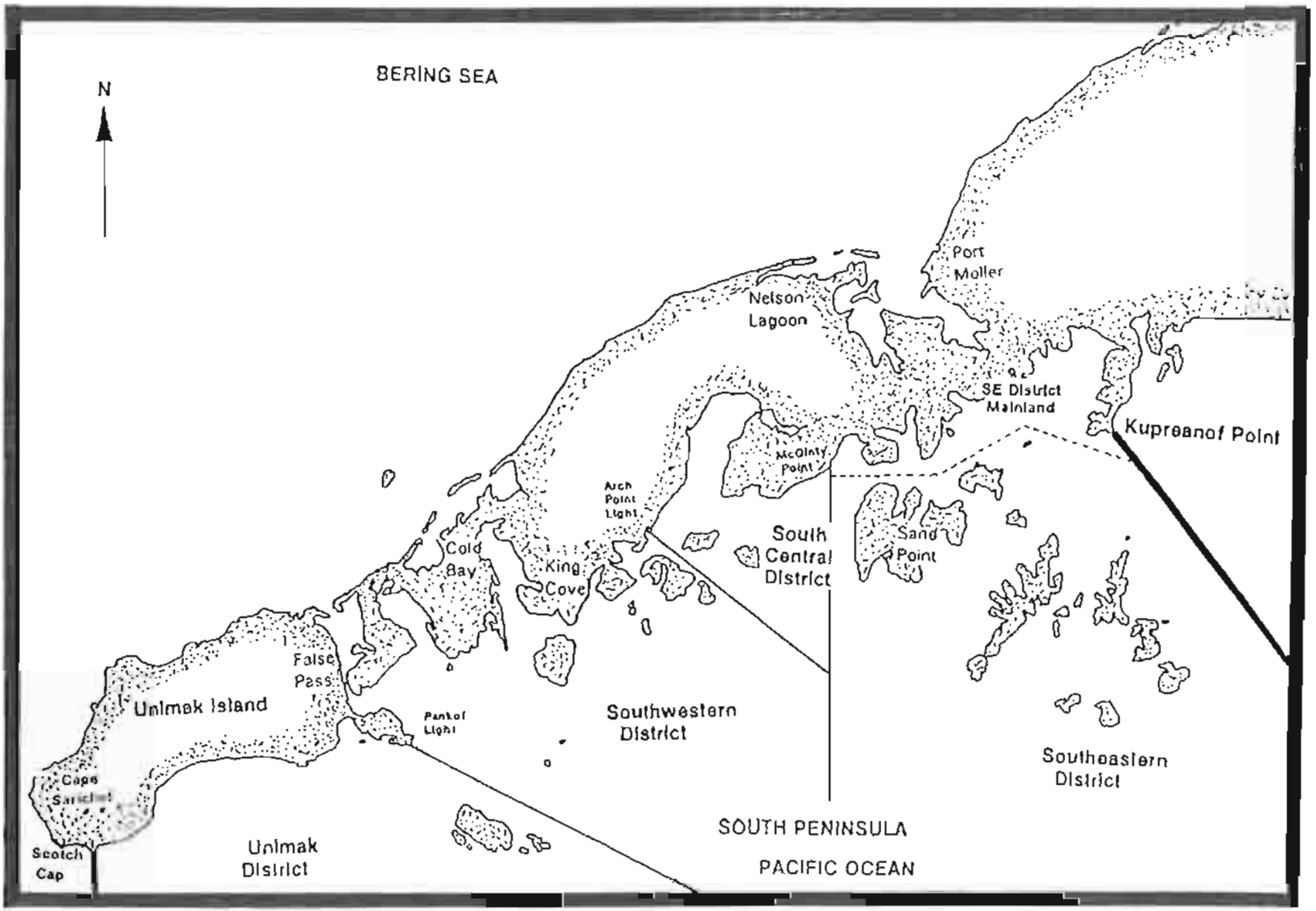

Figure 2. Map of the Alaska Peninsula Management Area with the salmon fishing districts defined.

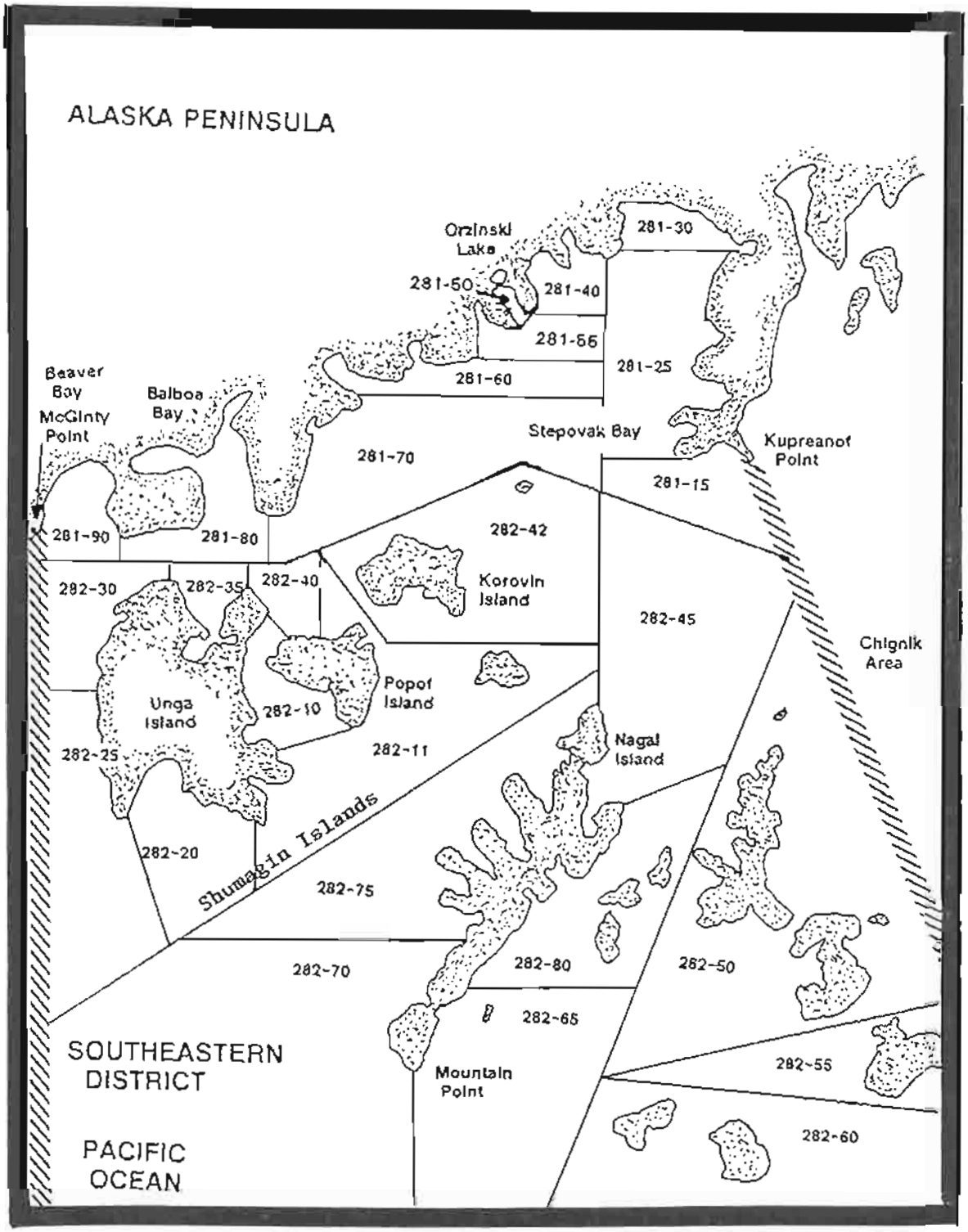

Figure 3. Map of the Alaska Peninsula Area from Kupreanof Point to McGinty Point (Southeastern District) with the statistical salmon fishing areas shown.

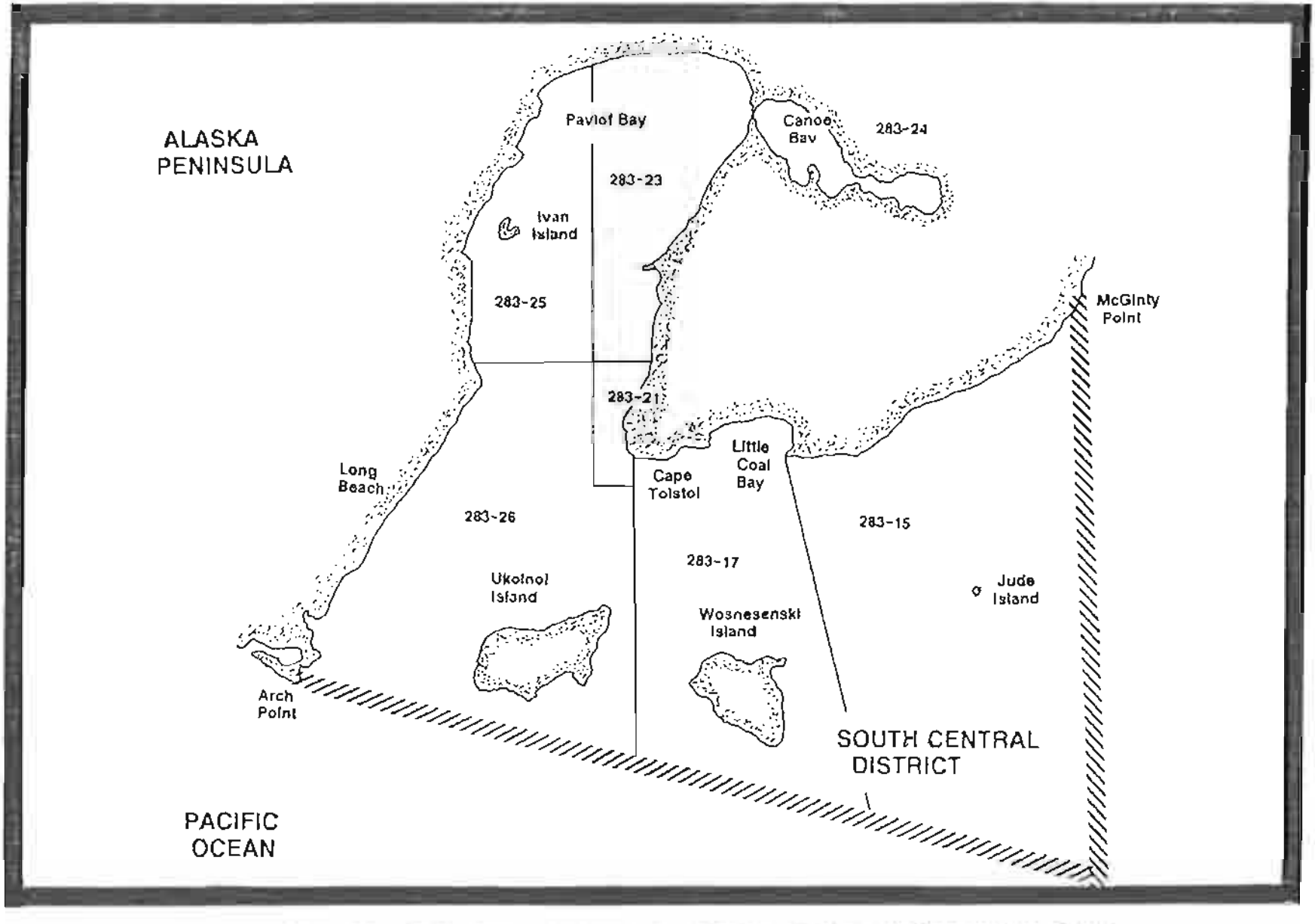

Figure 4. Map of the Alaska Peninsula Area from McGinty Point to Arch Point (South Central District) with the statistical salmon fishing areas shown.

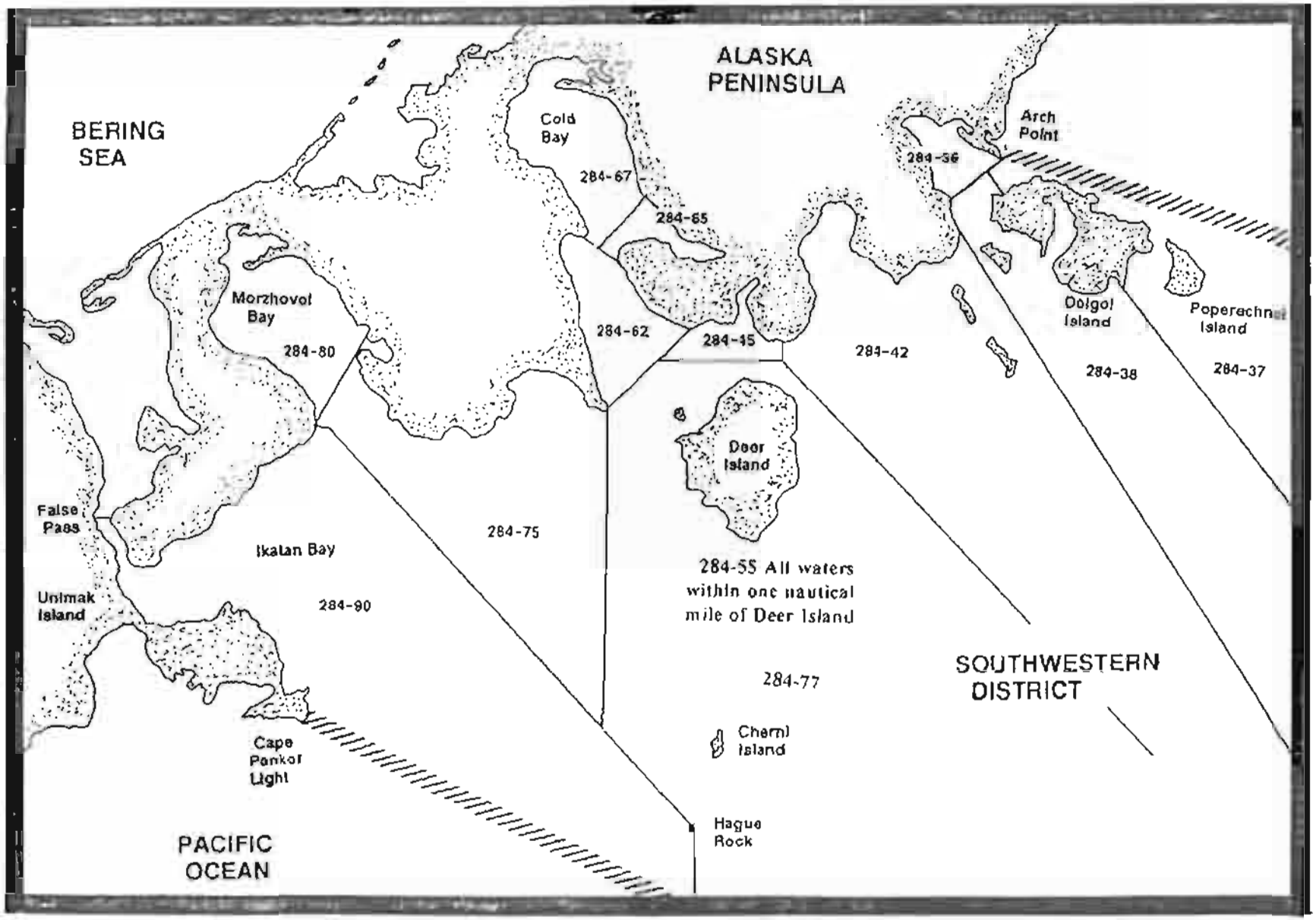

Figure 5. Map of the Alaska Peninsula Area from Arch Point to Unimak Island (Southwestern District) with the statistical salmon fishing areas shown.

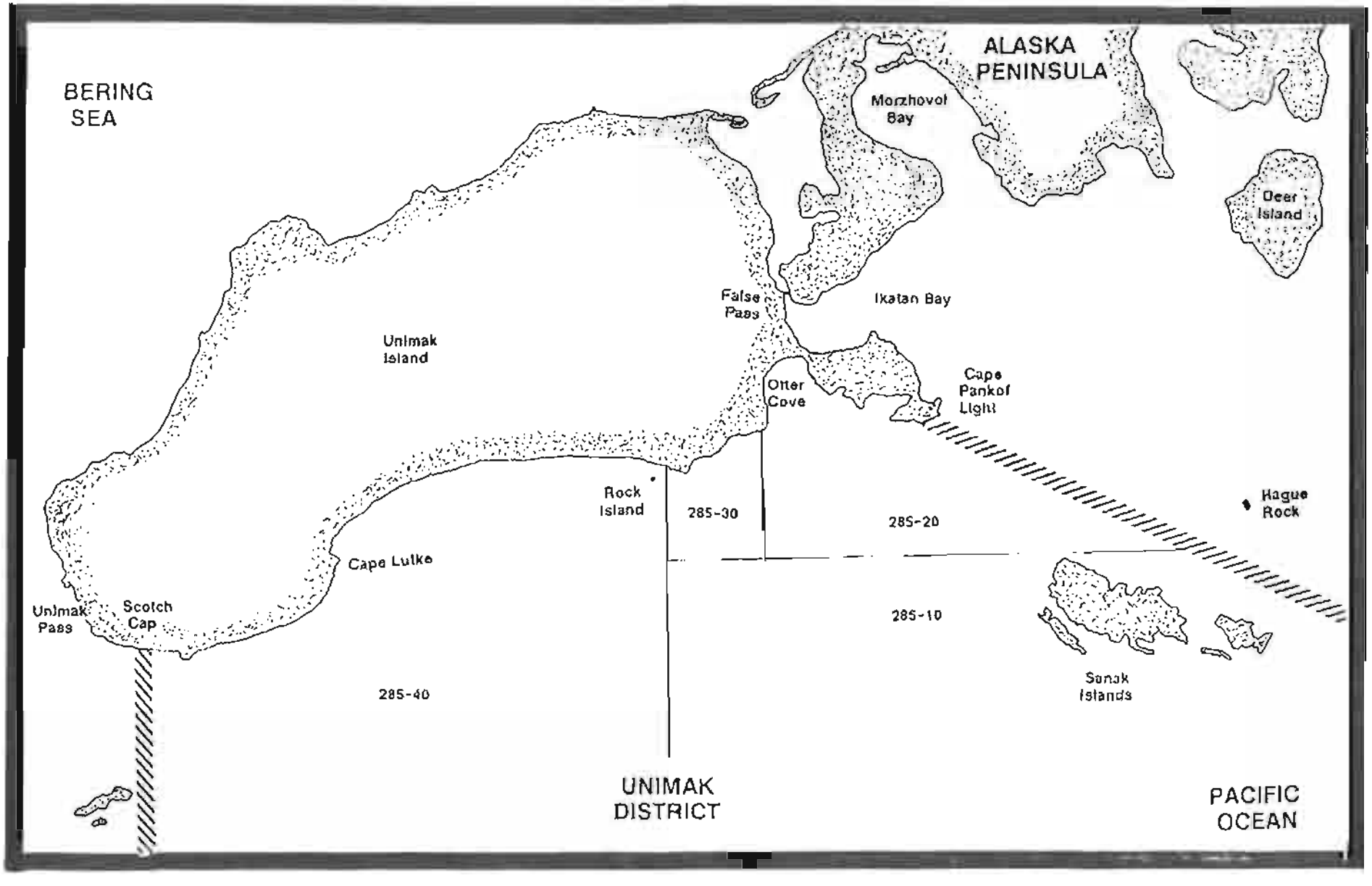

Figure 6. Map of the Alaska Peninsula Area from Hague Rock to Unimak Pass (Unimak District) with the statistical salmon fishing areas shown.

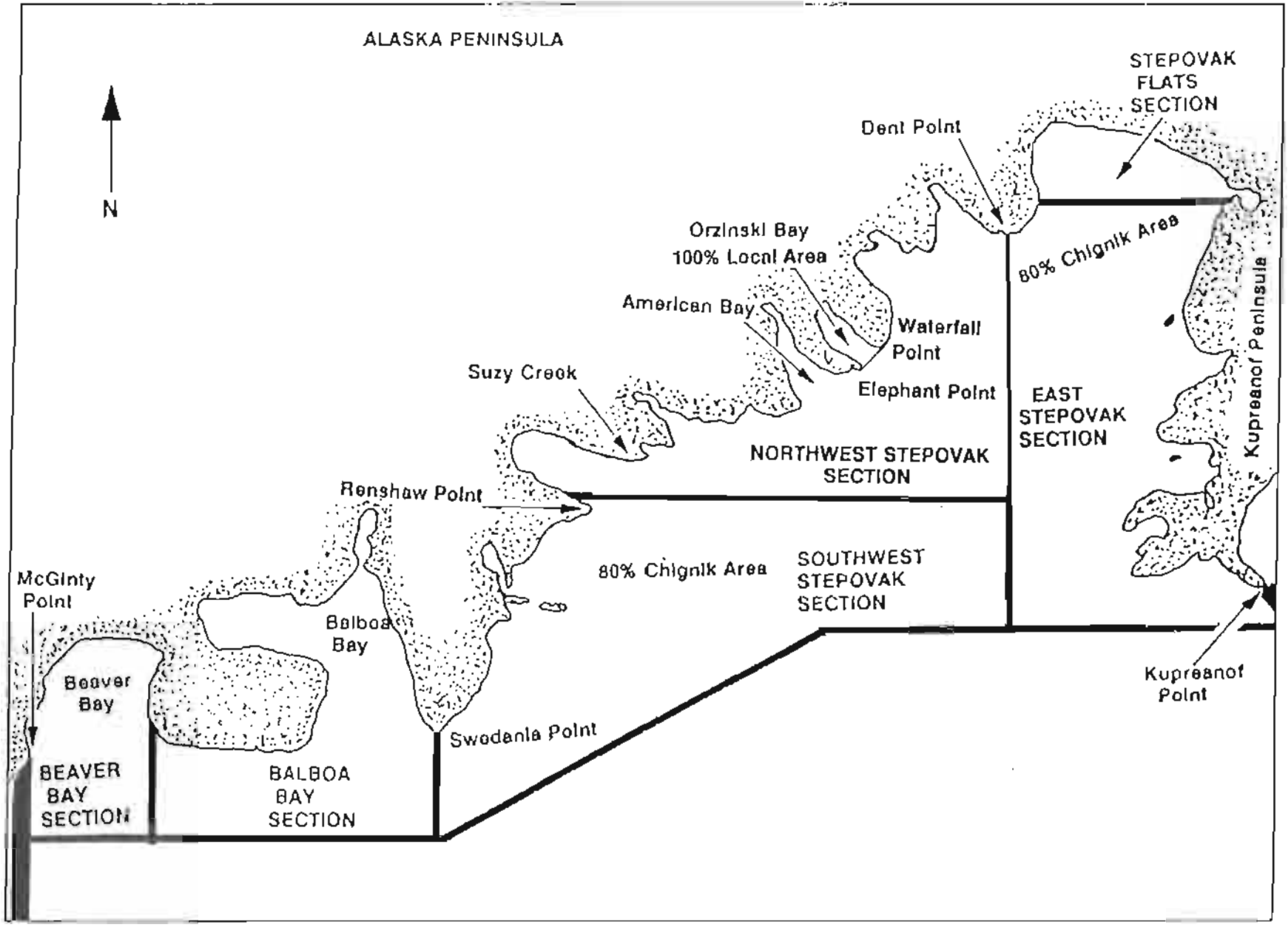

Figure 7. Map of the Southeastern District Mainland fishery from Kupreanof Point to McGinty Point with the salmon sections defined.

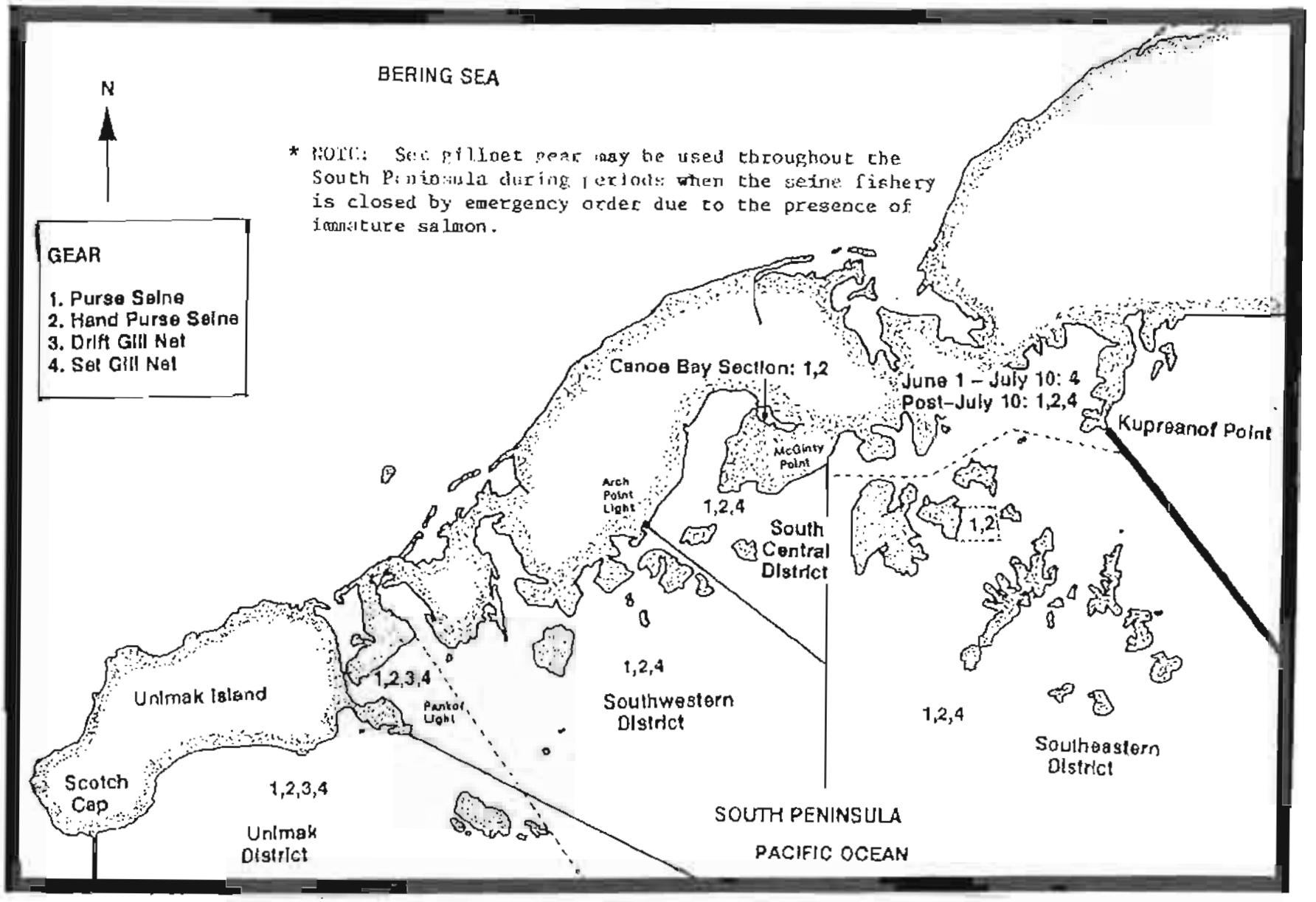

Figure 8. Map of the Alaska Peninsula Area from Kupreanof Point to Scotch Cap with the allowable gear types shown.

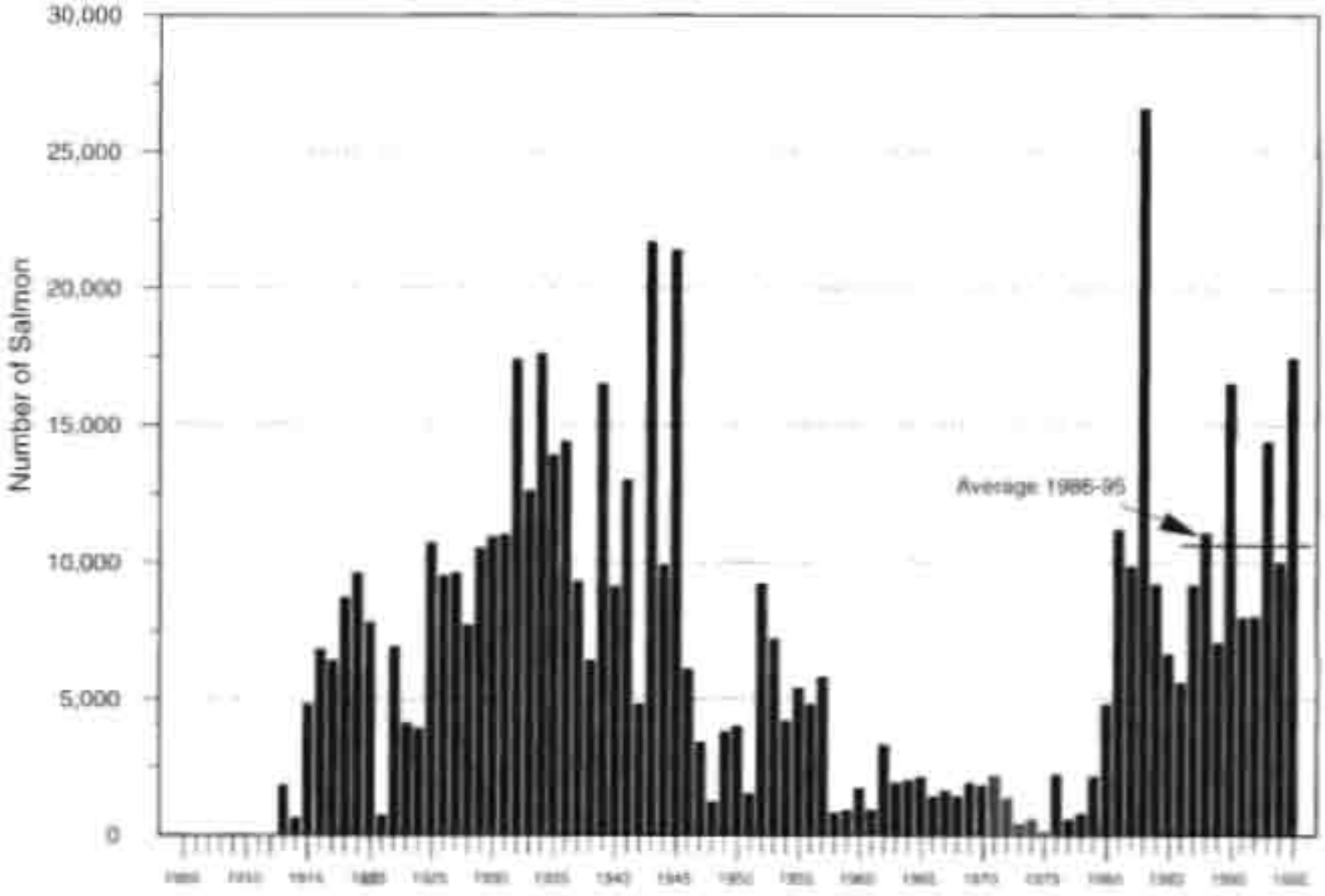

Figure 9. South Peninsula chinook salmon harvest by year, 1905-95

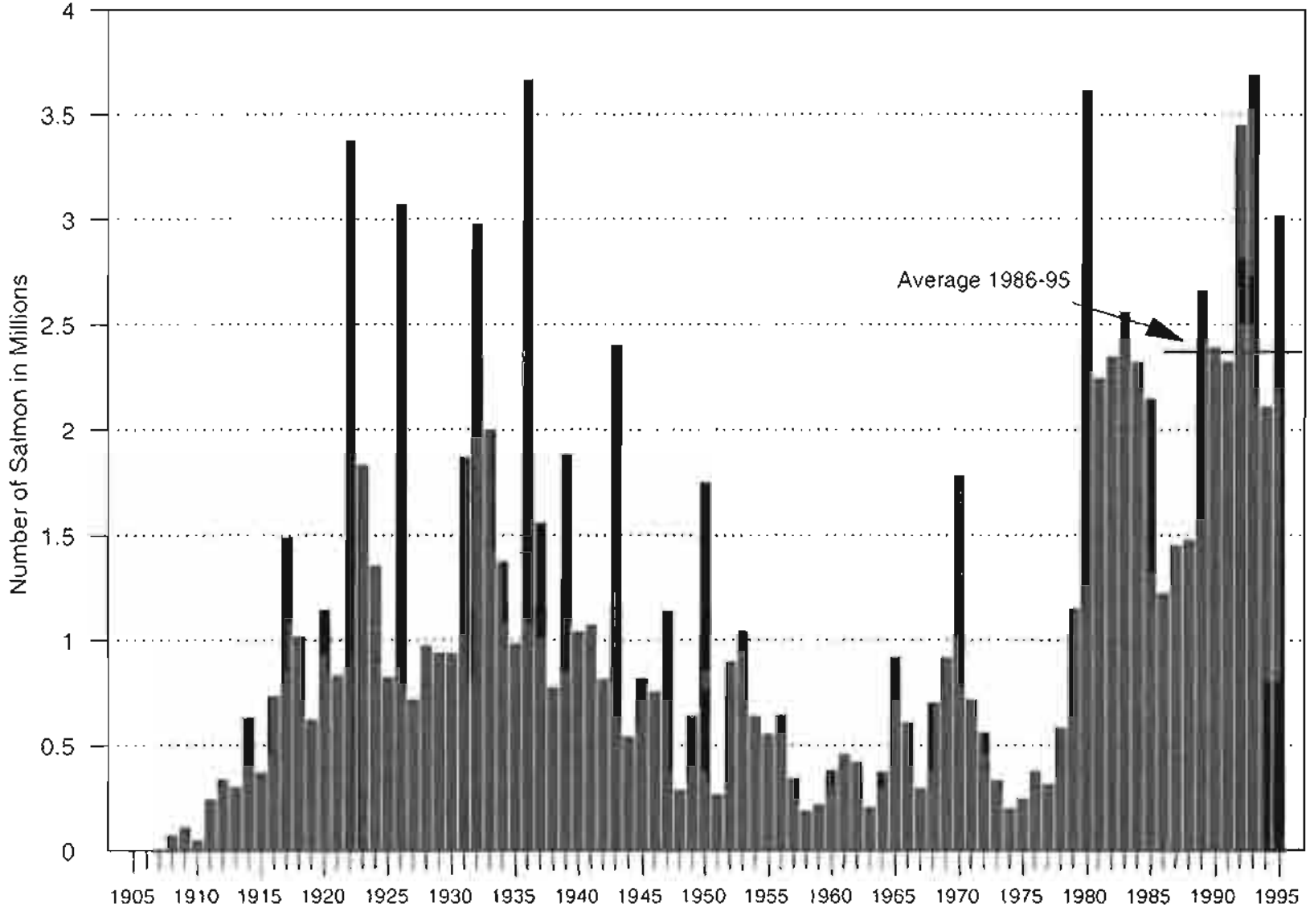

Figure 10. South Peninsula sockeye salmon harvest by year, 1905-95.

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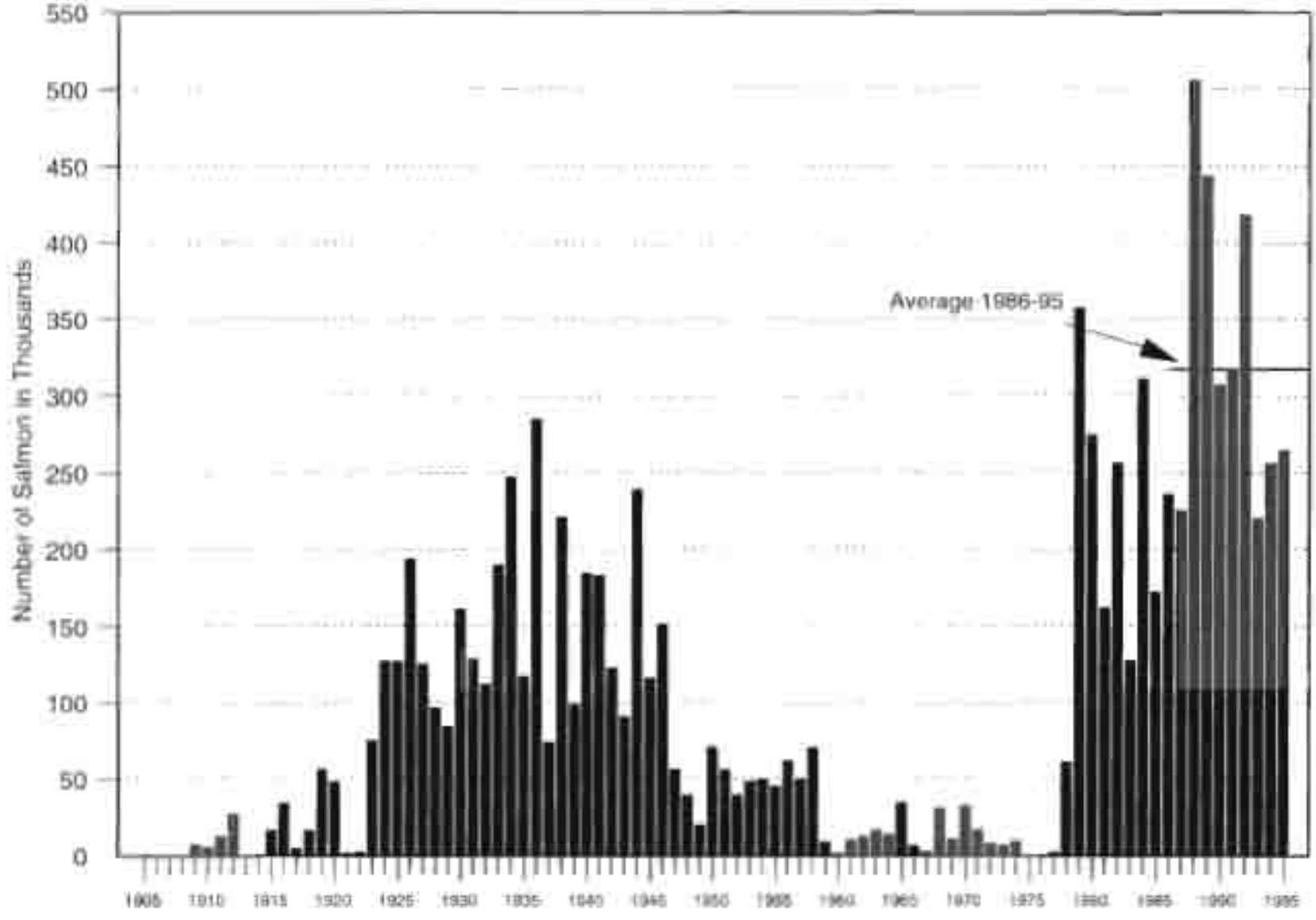

Figure 11. South Peninsula coho salmon harvest by year, 1905-95.

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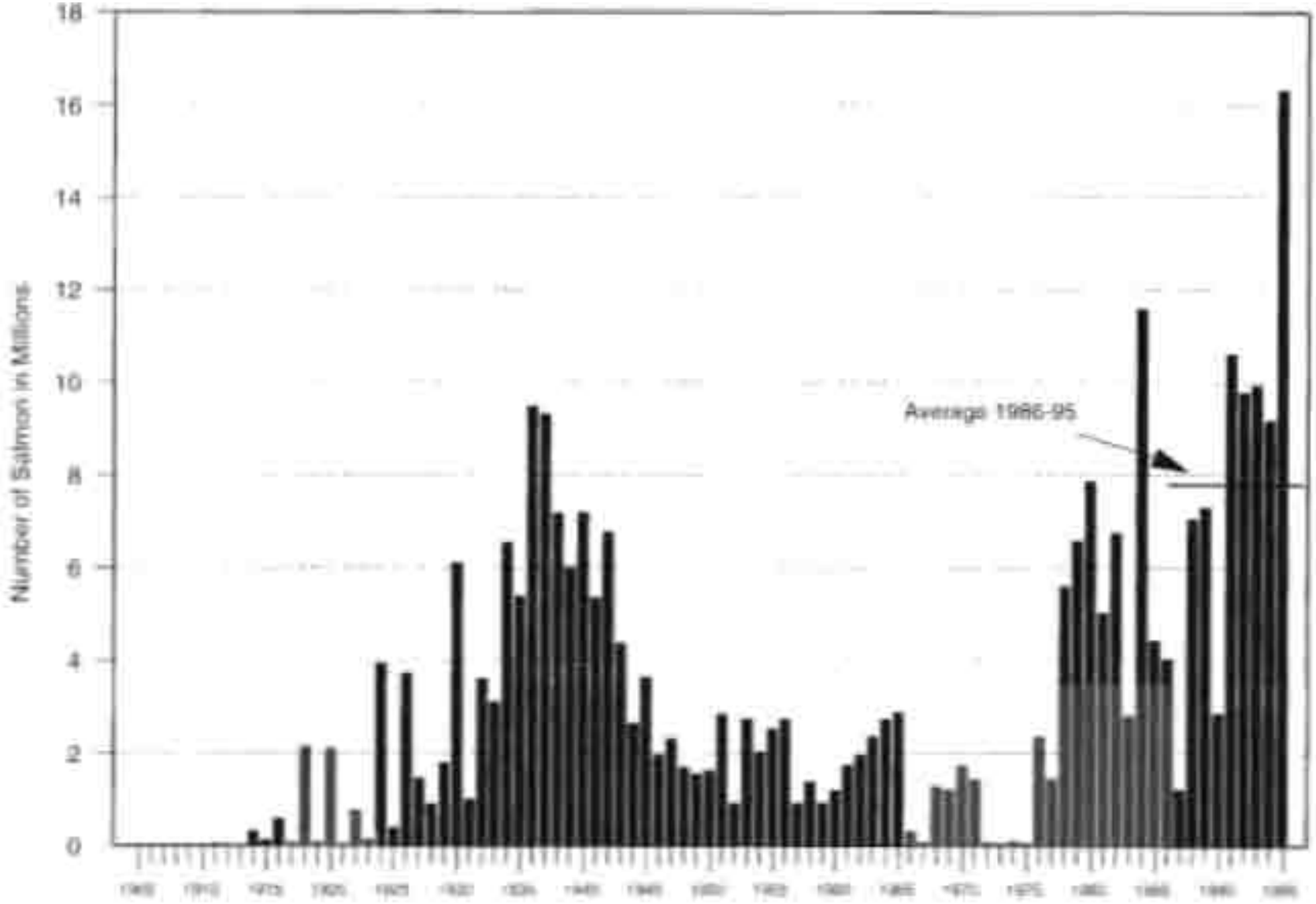

Figure 12. South Peninsula pink salmon harvest by year, 1905-95.

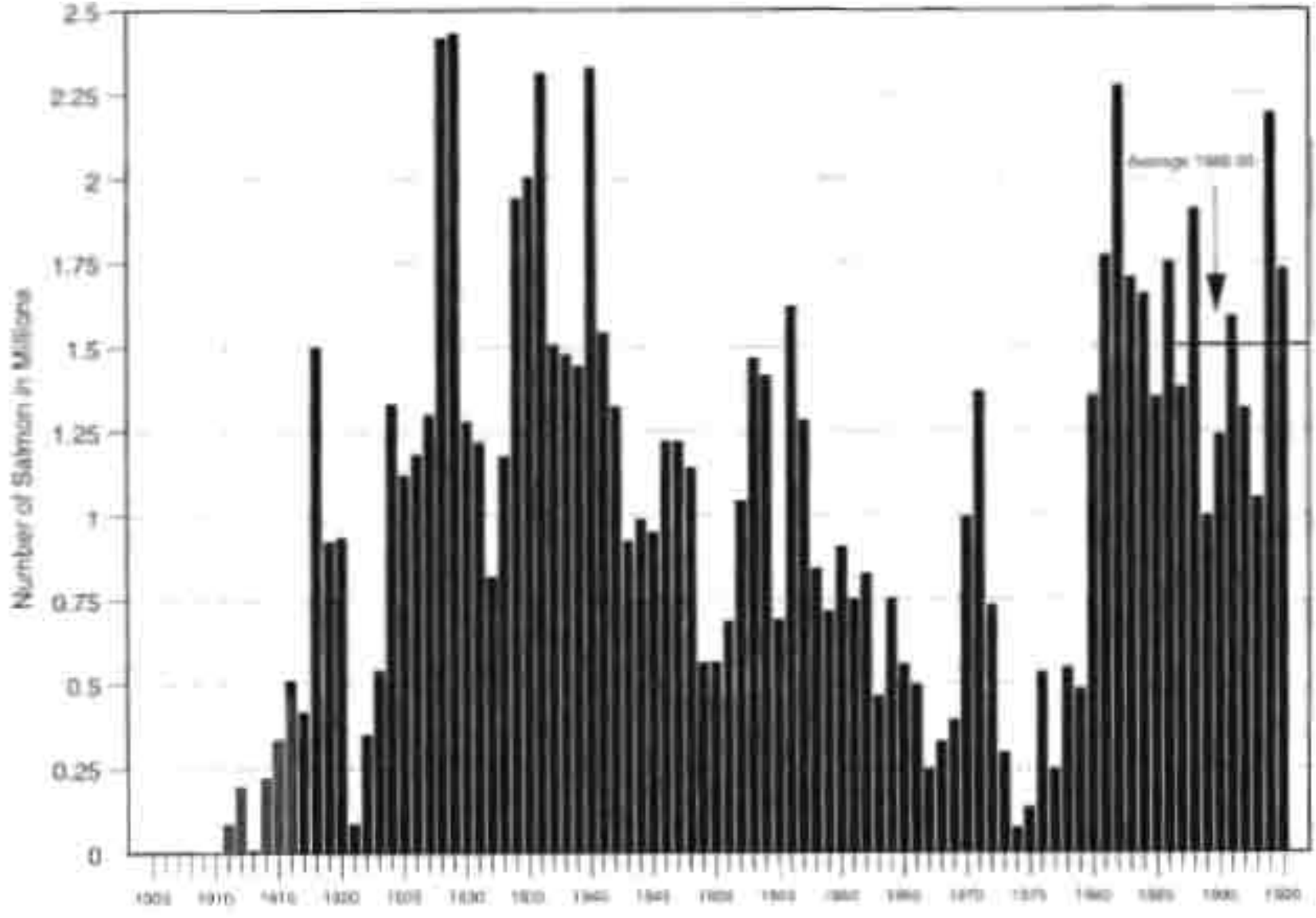

Figure 13. South Peninsula chum salmon harvest by year, 1905-95.

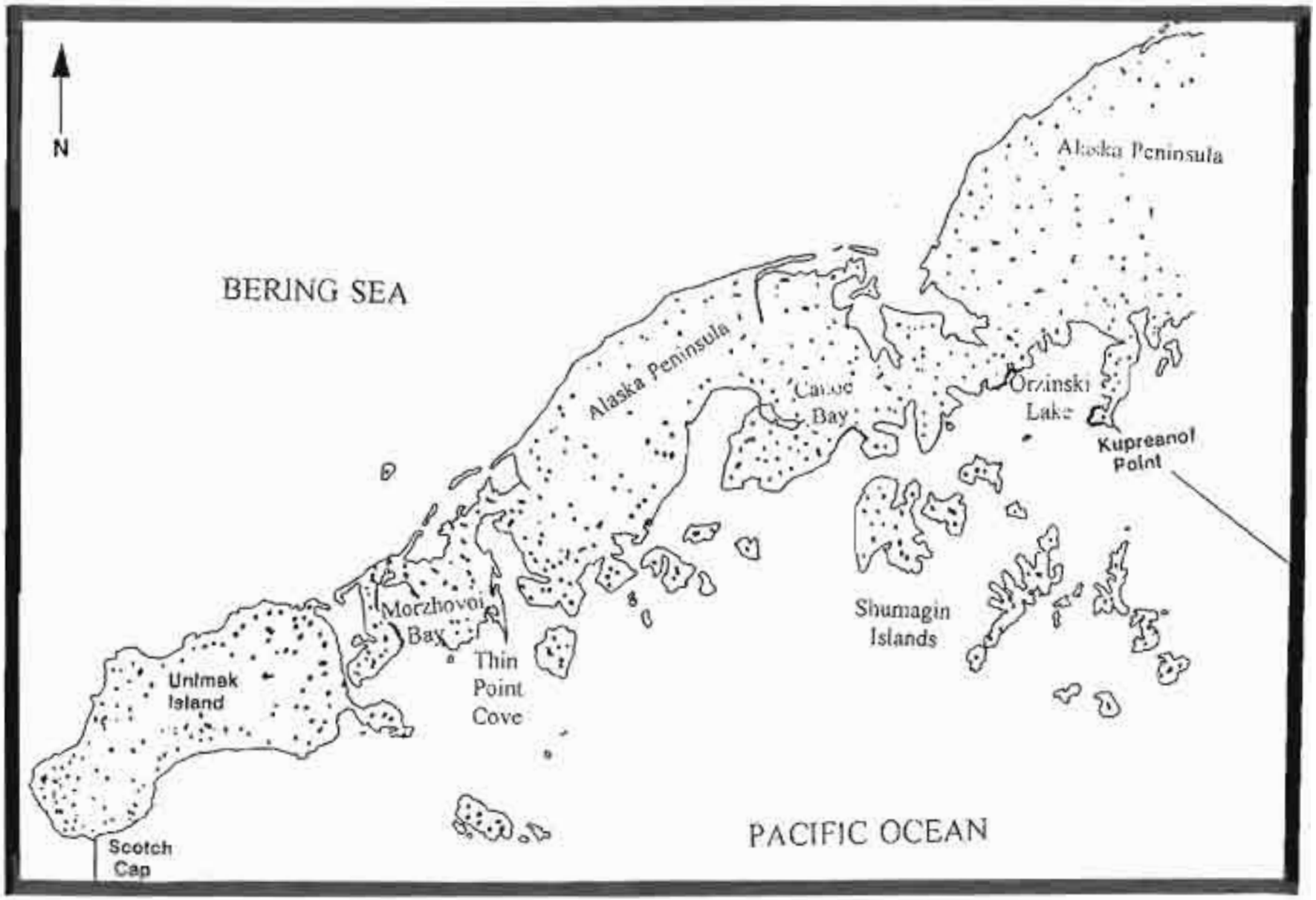

Figure 14. Map of the Alaska Peninsula with the remote field camps of Orzinski Lake, Canoe Bay, Thin Point Cove, and Morzhovoi Bay shown.

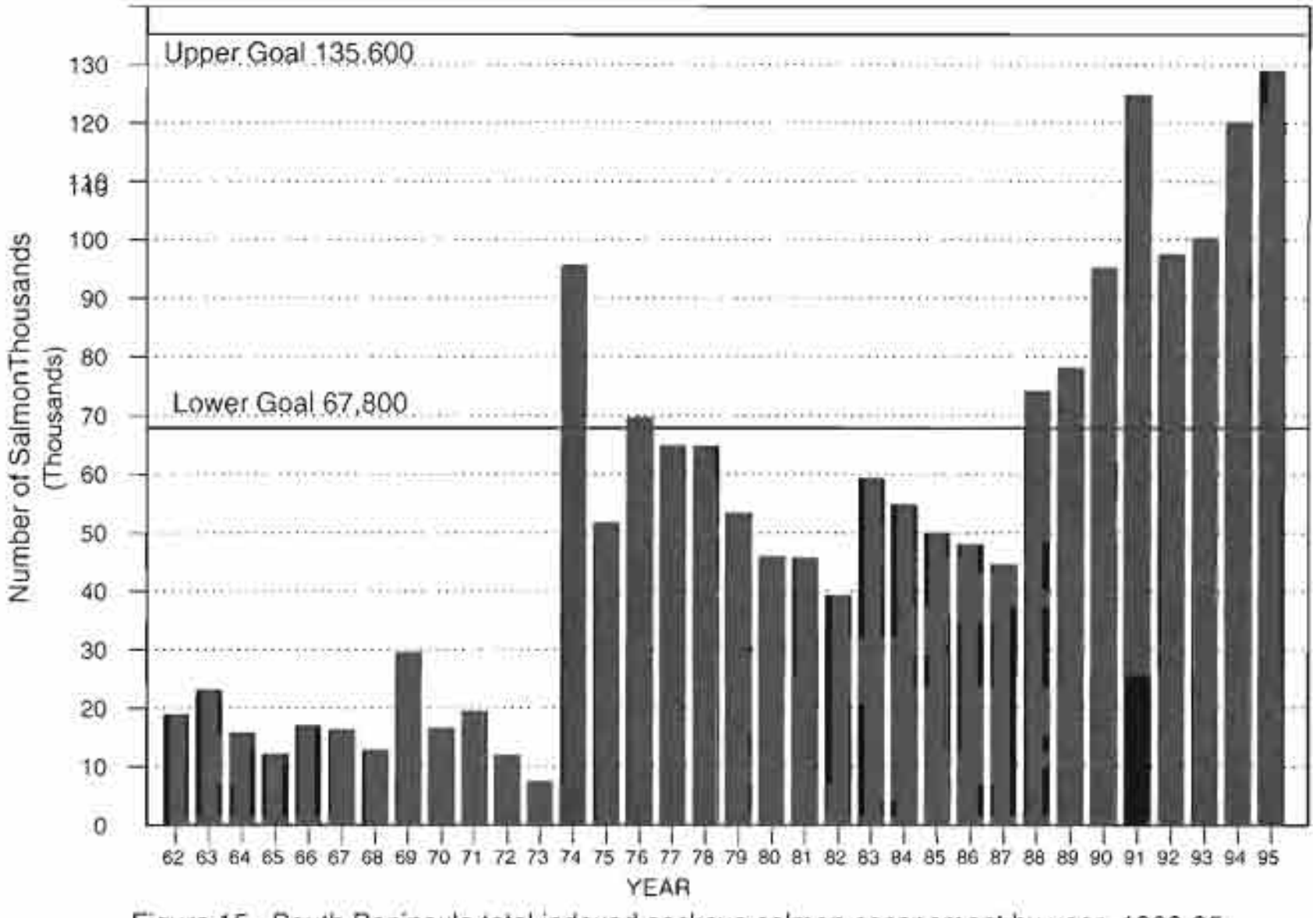

Figure 15. South Peninsula total indexed sockeye salmon escapement by year, 1962-95.

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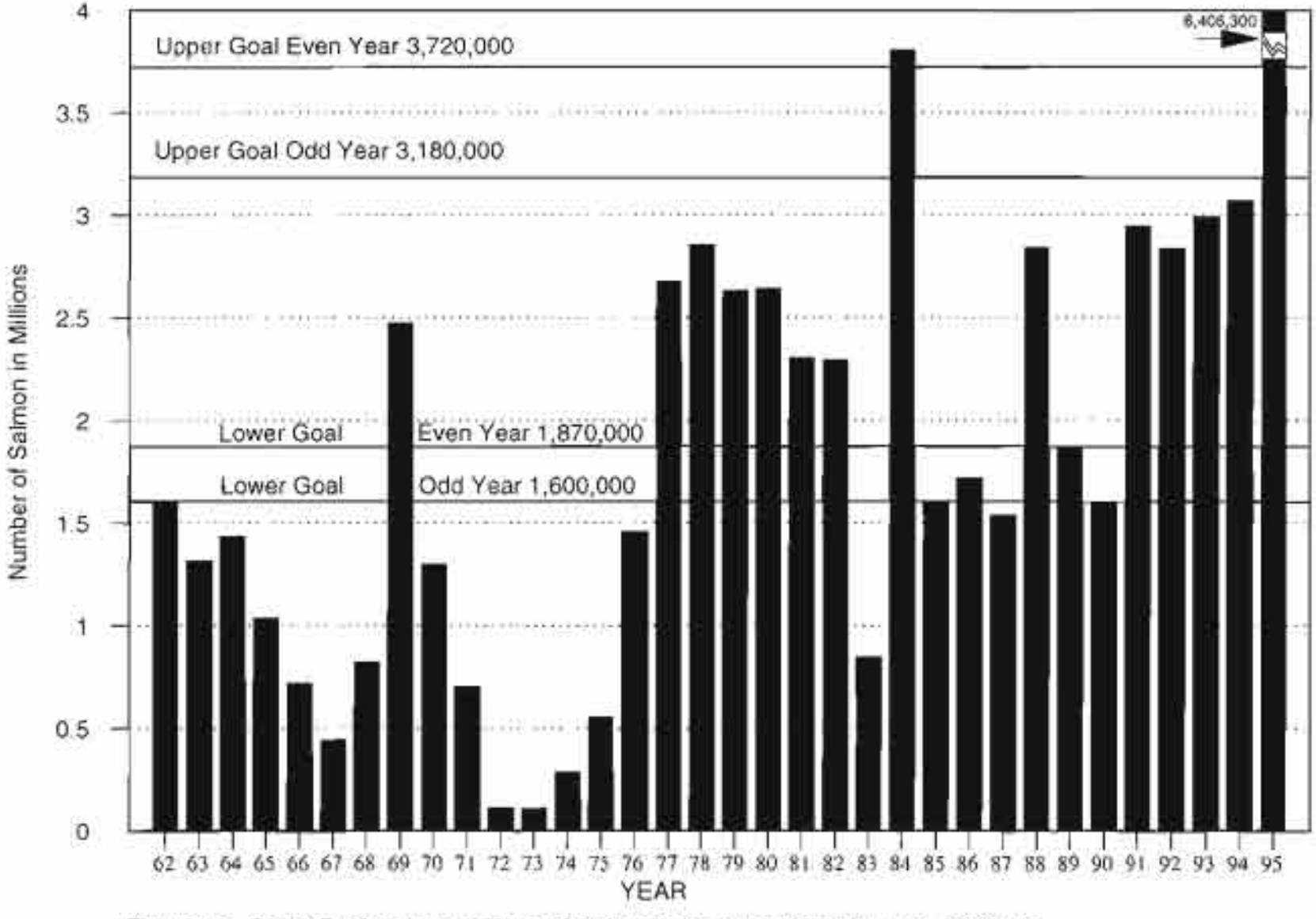

Figure 16. South Peninsula total indexed pink salmon escapement by year, 1962-95.

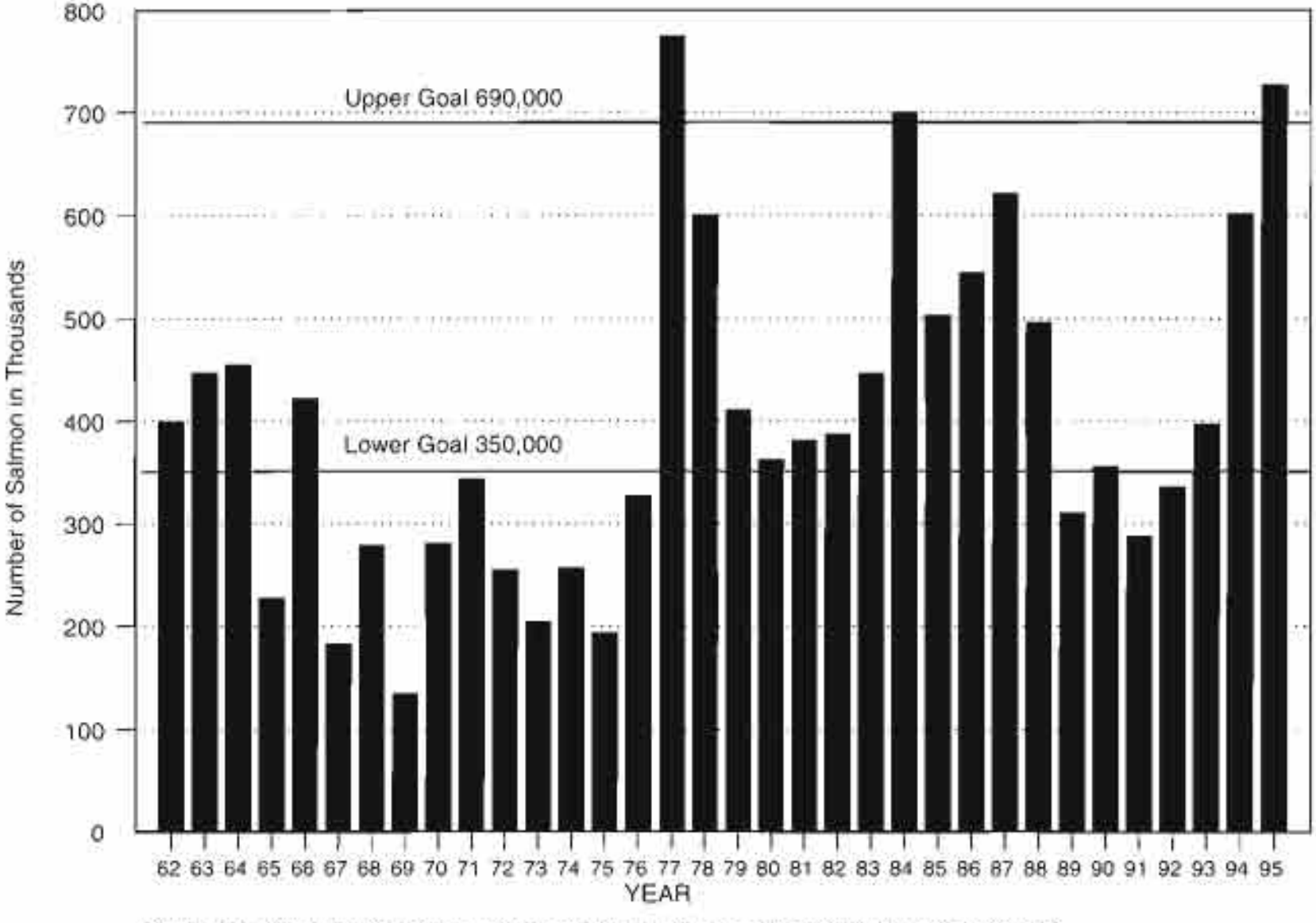

Figure 17. South Peninsula total indexed chum salmon escapement by year, 1962-95.

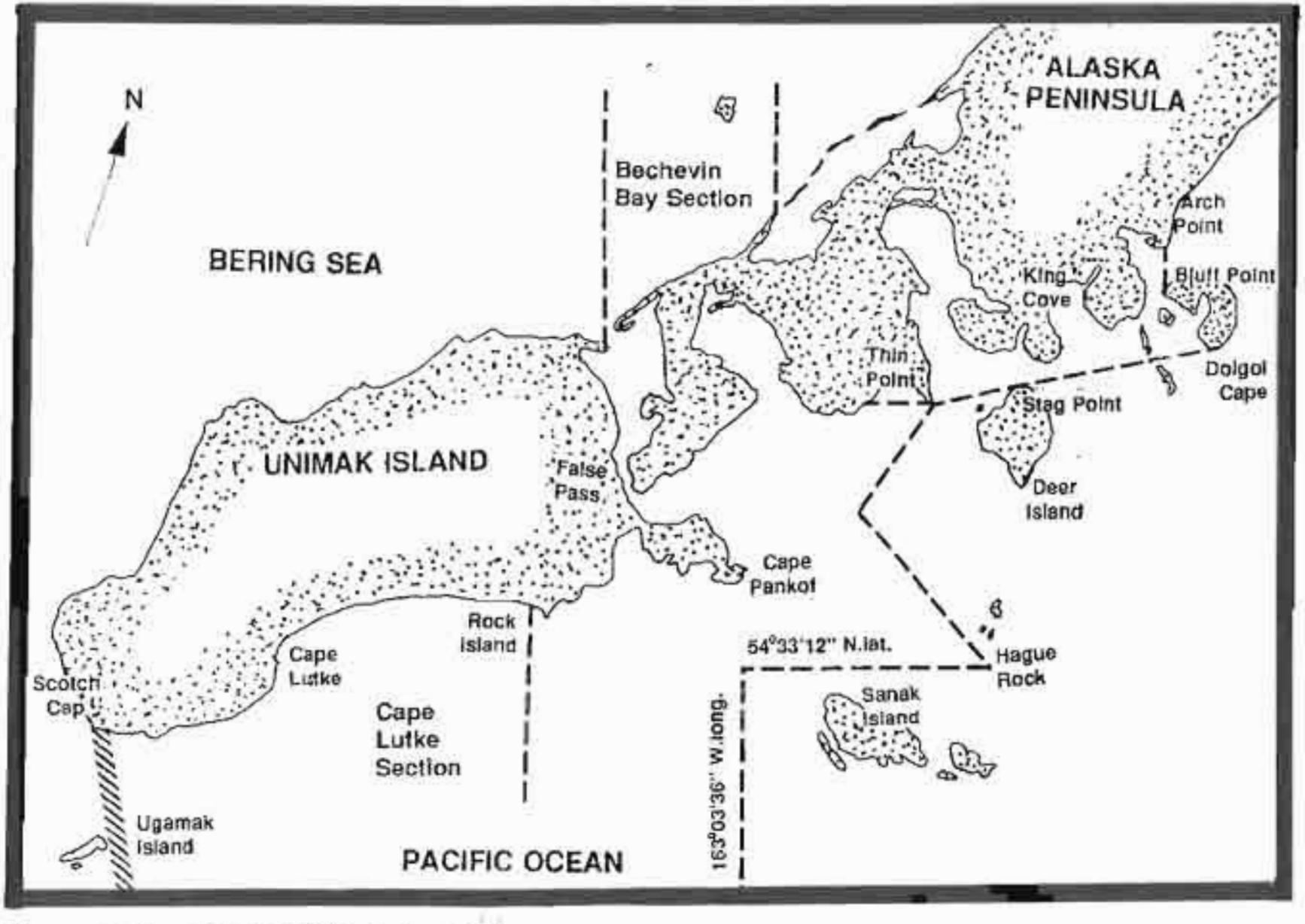

Figure 18. Map of the South Unimak June fishery.

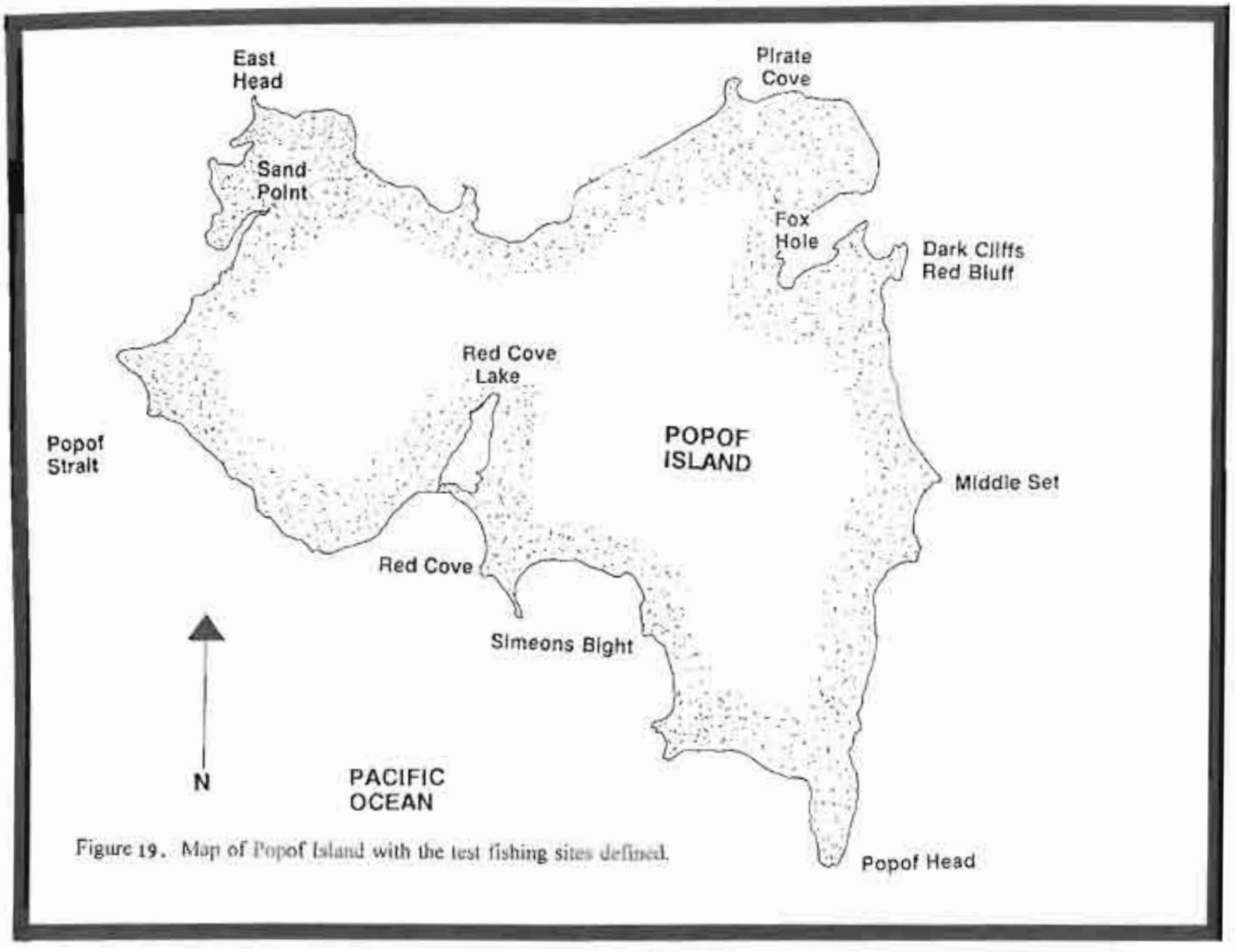

Figure 19. Map of Popof Island with the test fishing sites defined.

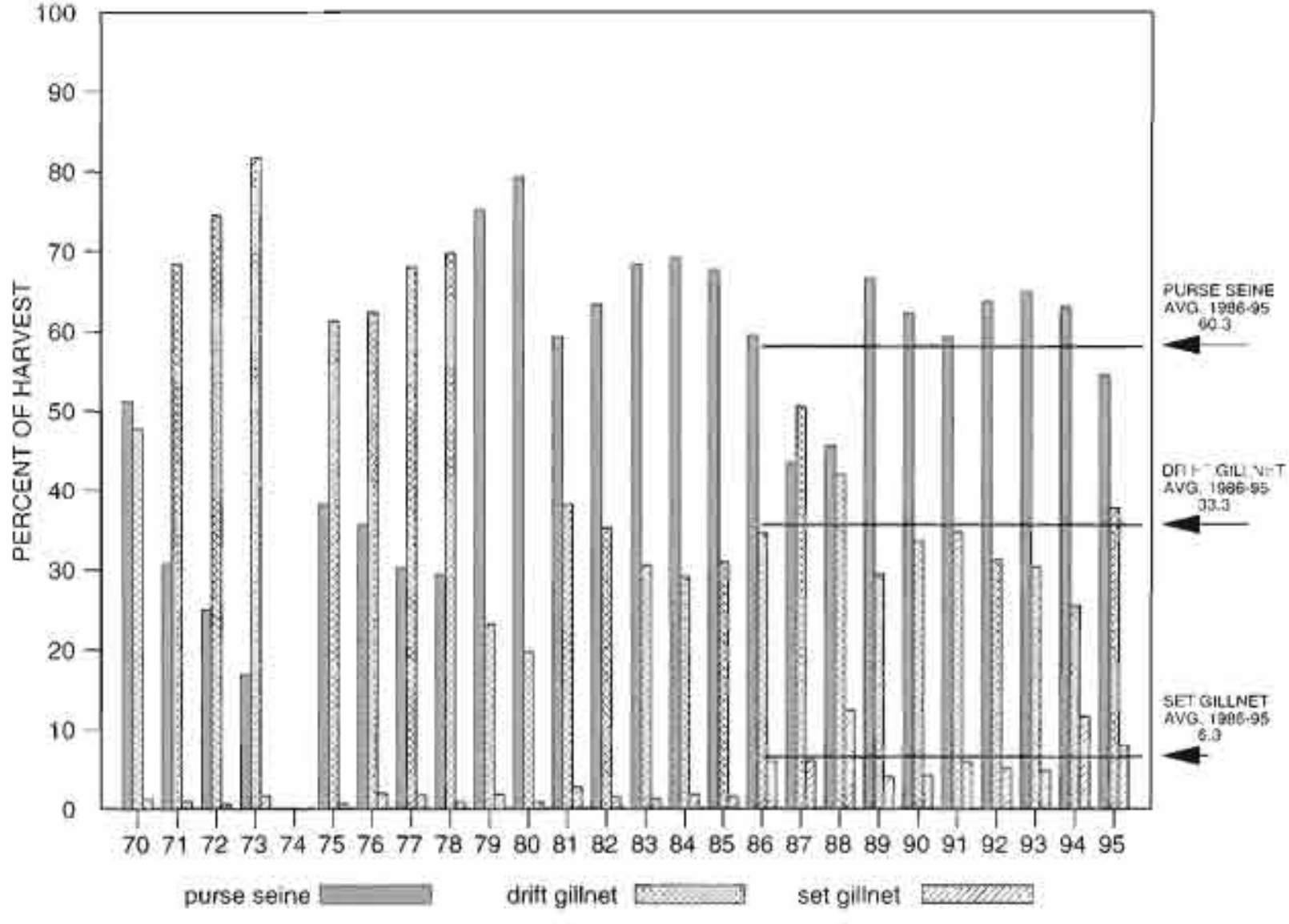

Figure 20. South Unimak and Shumagin Islands June fisheries sockeye salmon harvest by gear, 1970-95.

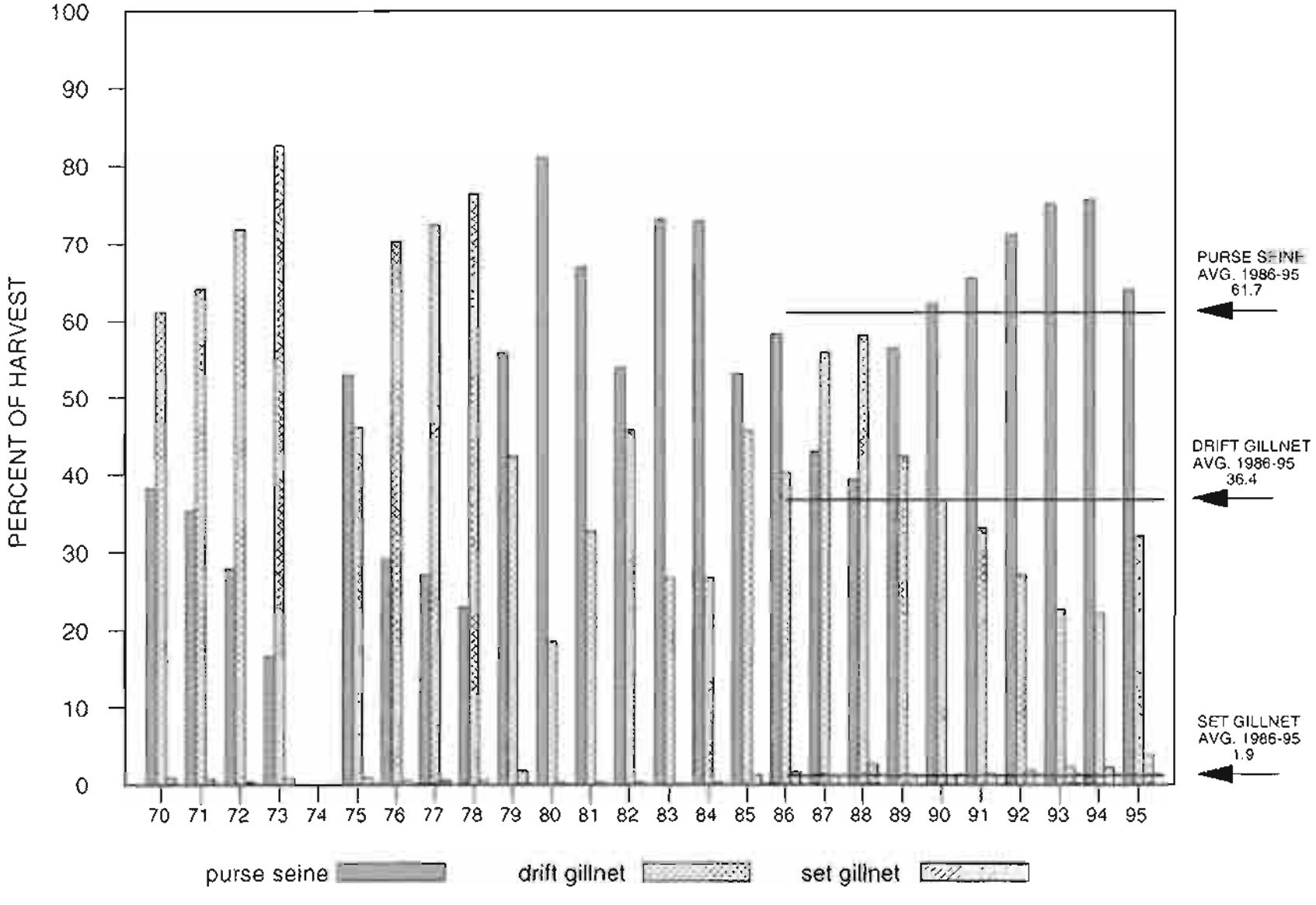

Figure 21. South Unimak and Shumagin Islands June fisheries chum salmon harvest by gear, 1970-95.

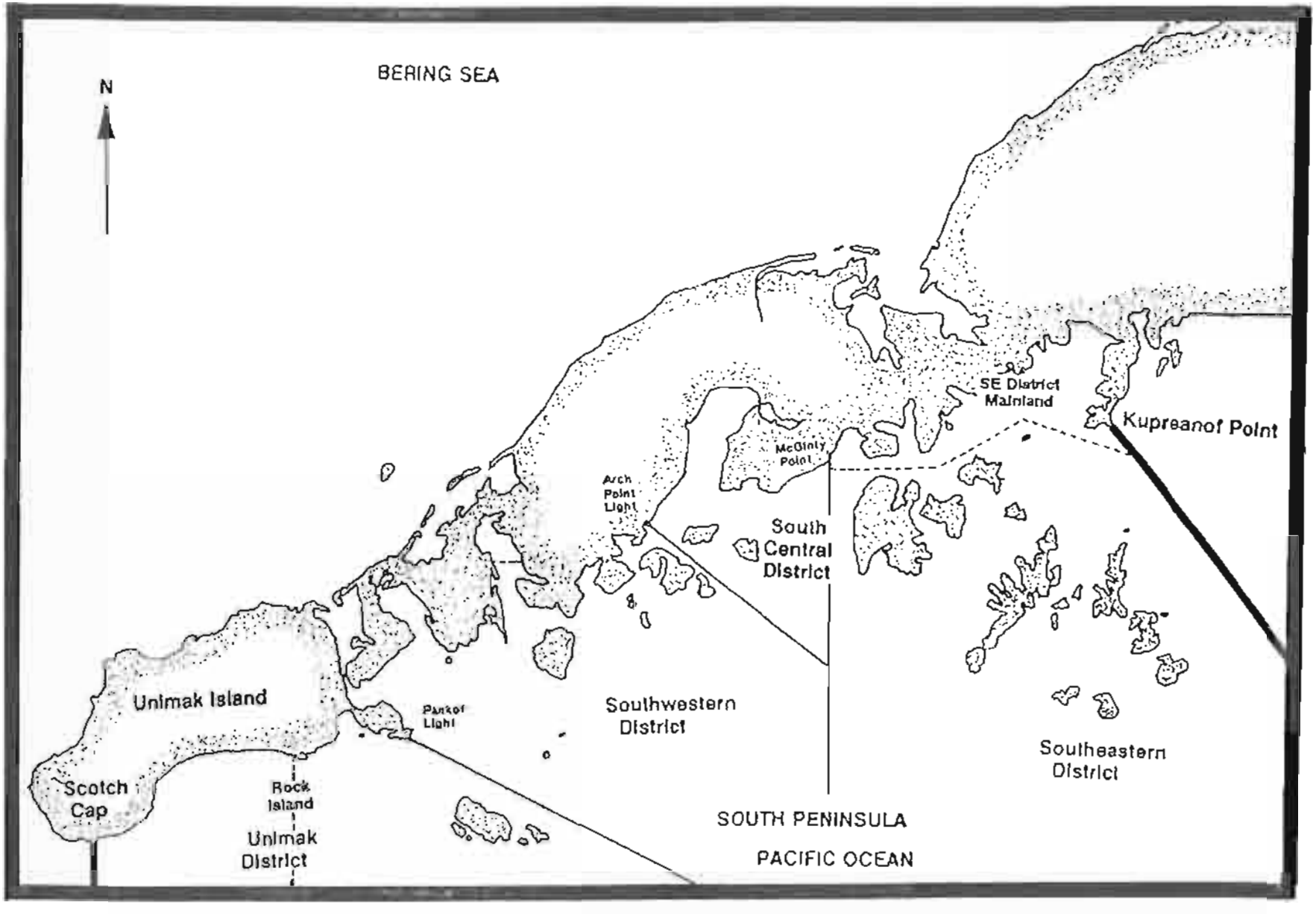

Figure 22. Map of the South Peninsula from Kupreanof Point to Scotch Cap with the general post June fishing area (Rock Island-Kupreanof Point) and the Southeastern District Mainland area shown.

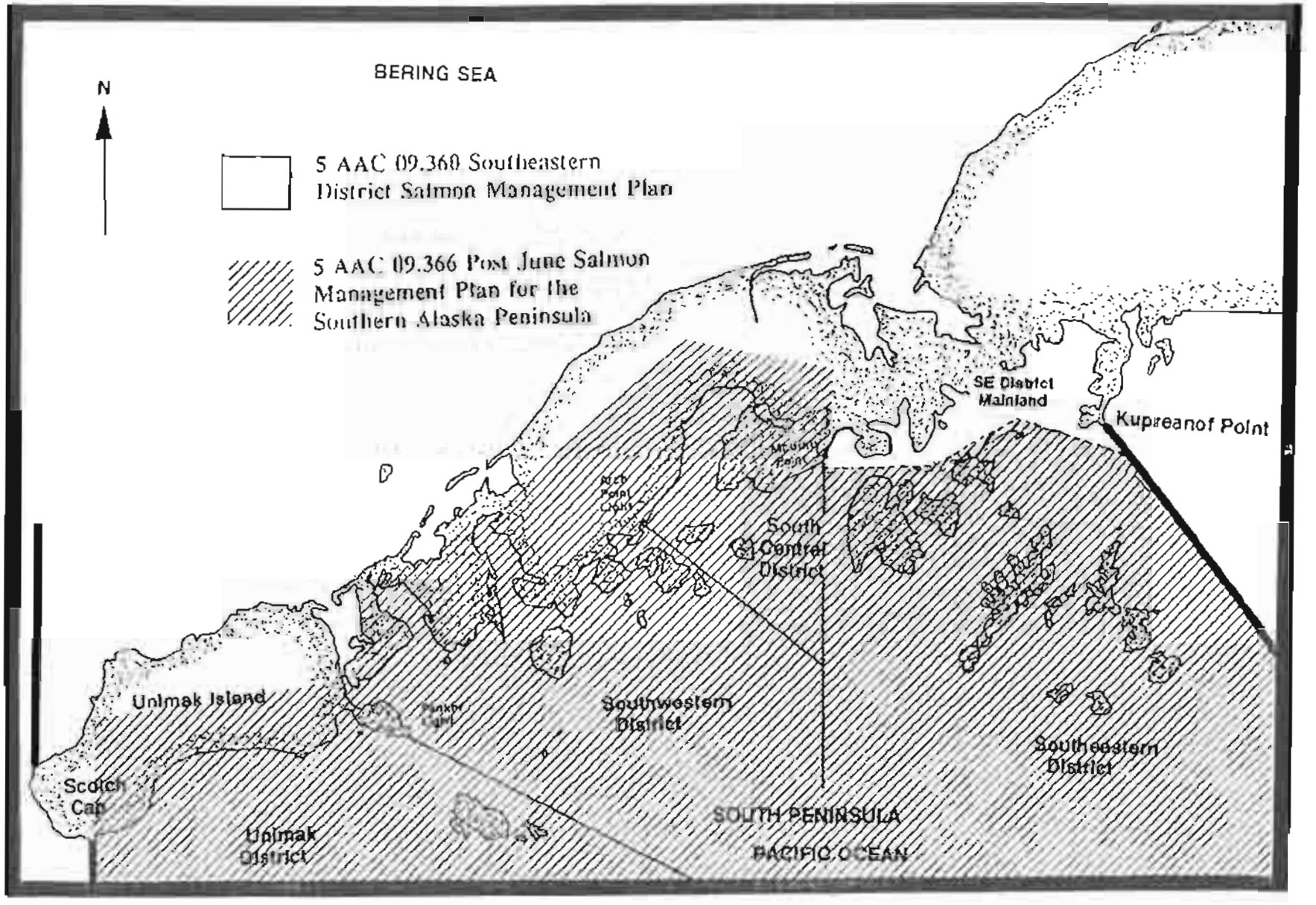

Figure 23. Map of the South Peninsula with the area effected by the Southeastern District Management Plan and the post June Salmon Management Plan defined.

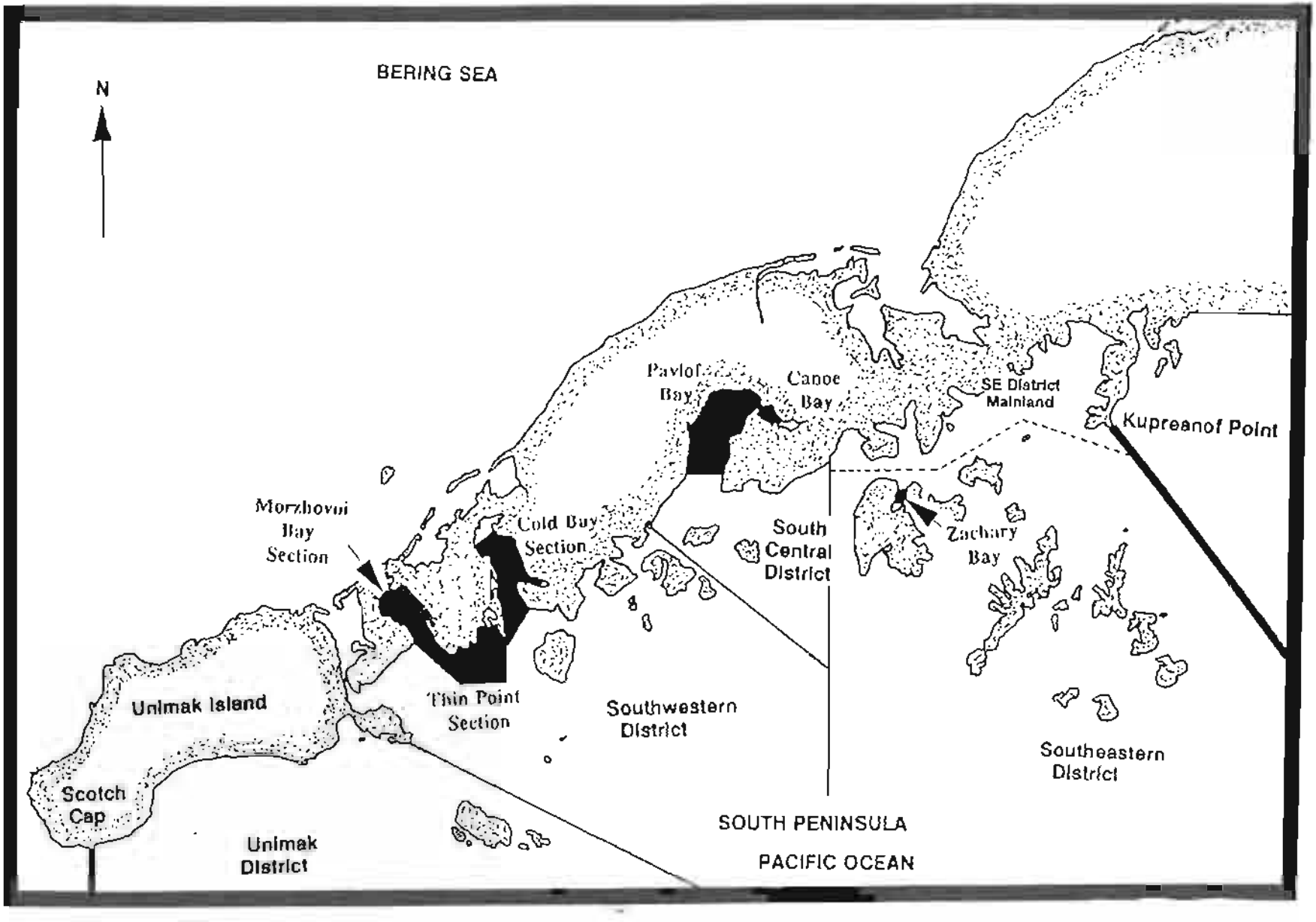

Figure 24. Map of the South Peninsula with those areas (Zachary Bay, Canoe Bay, Pavlof Bay, Cold Bay Section, Thin Point Section, and Morzhovoi Bay Section) allowed fishing periods during July 1-19 defined.

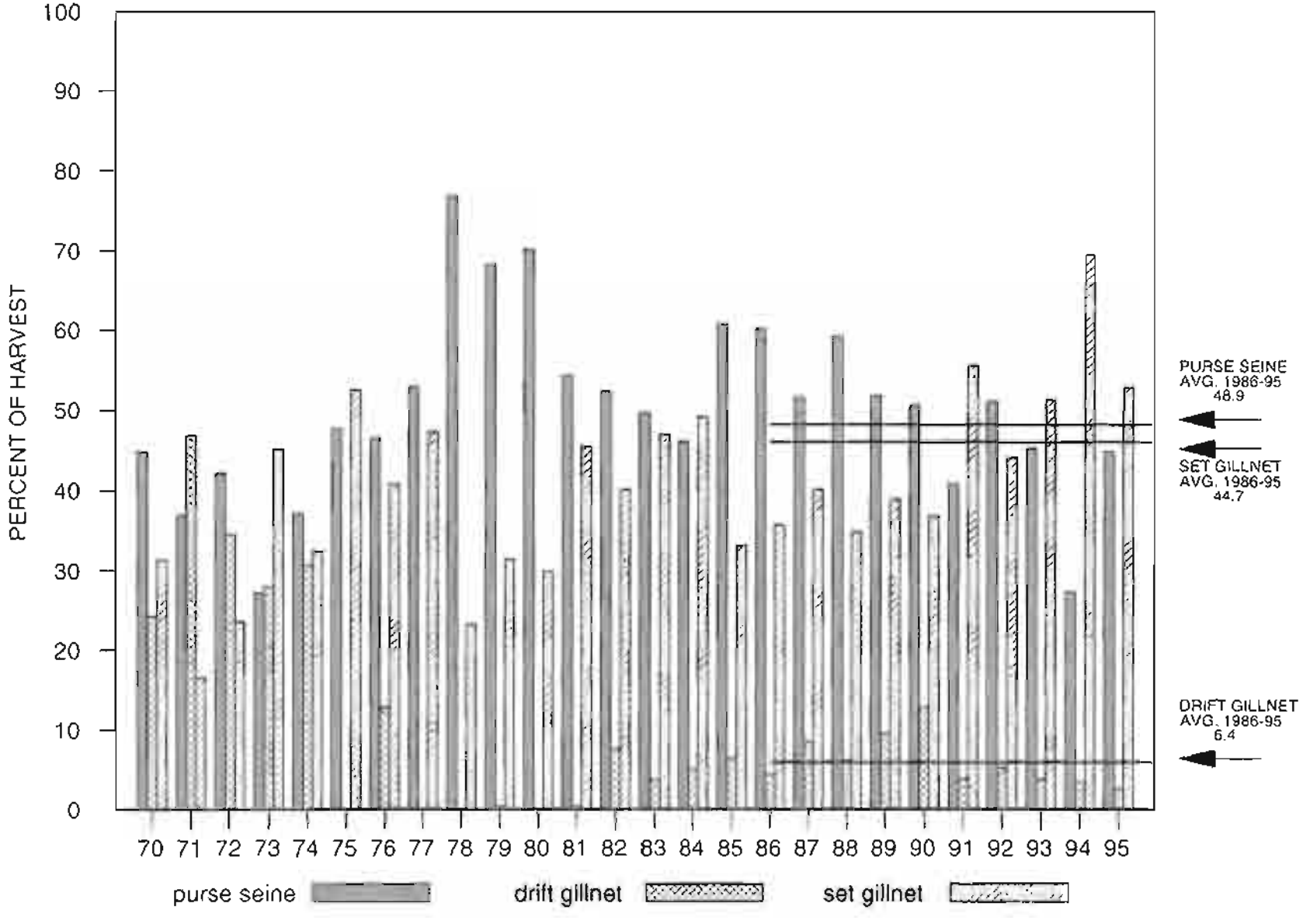

Figure 25. South Peninsula post June sockeye salmon harvest by gear, 1970-95.

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10/17/96

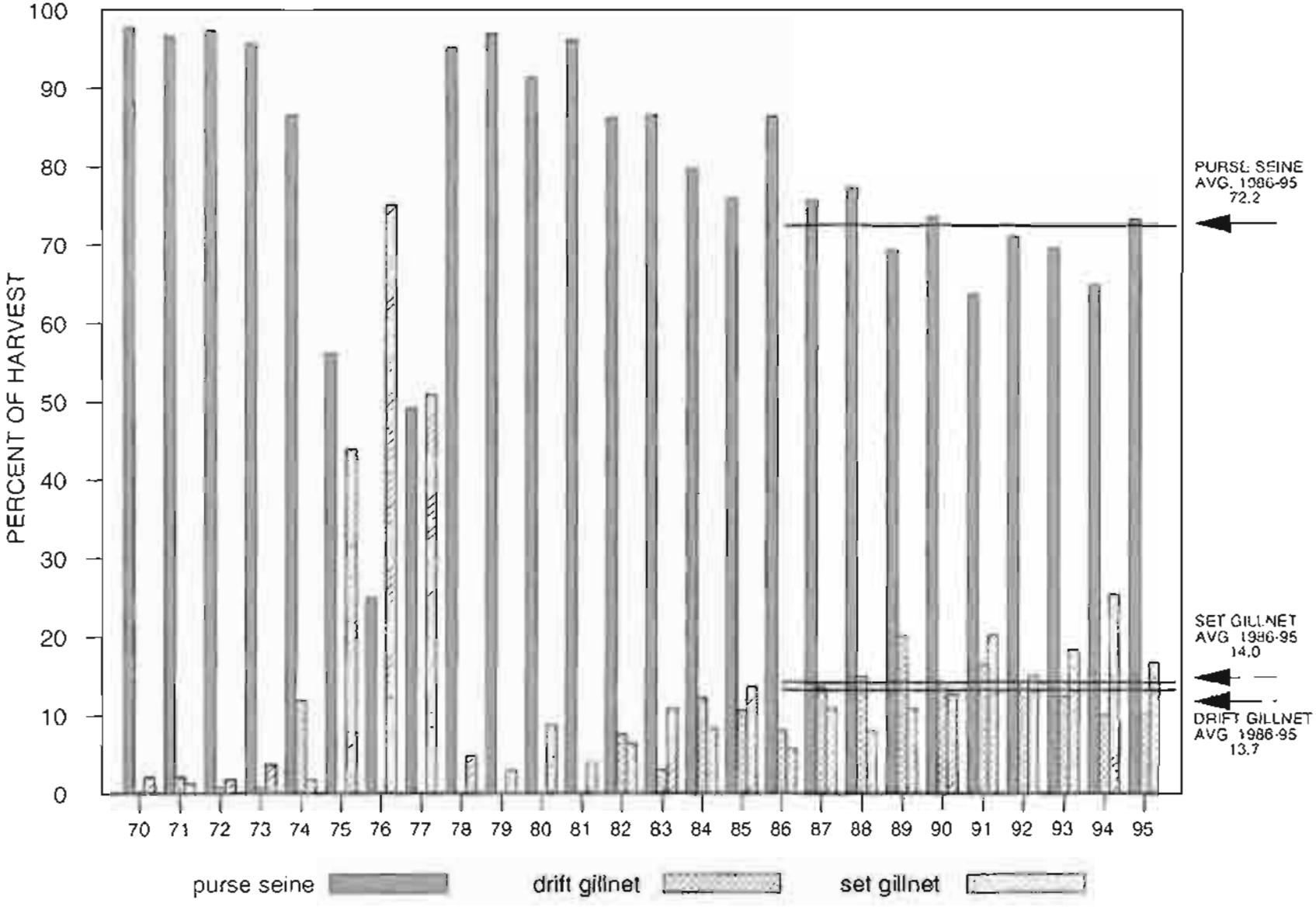

Figure 26. South Peninsula post June coho salmon harvest by gear, 1970-95.

R96-POSTCOHO
10/17/96

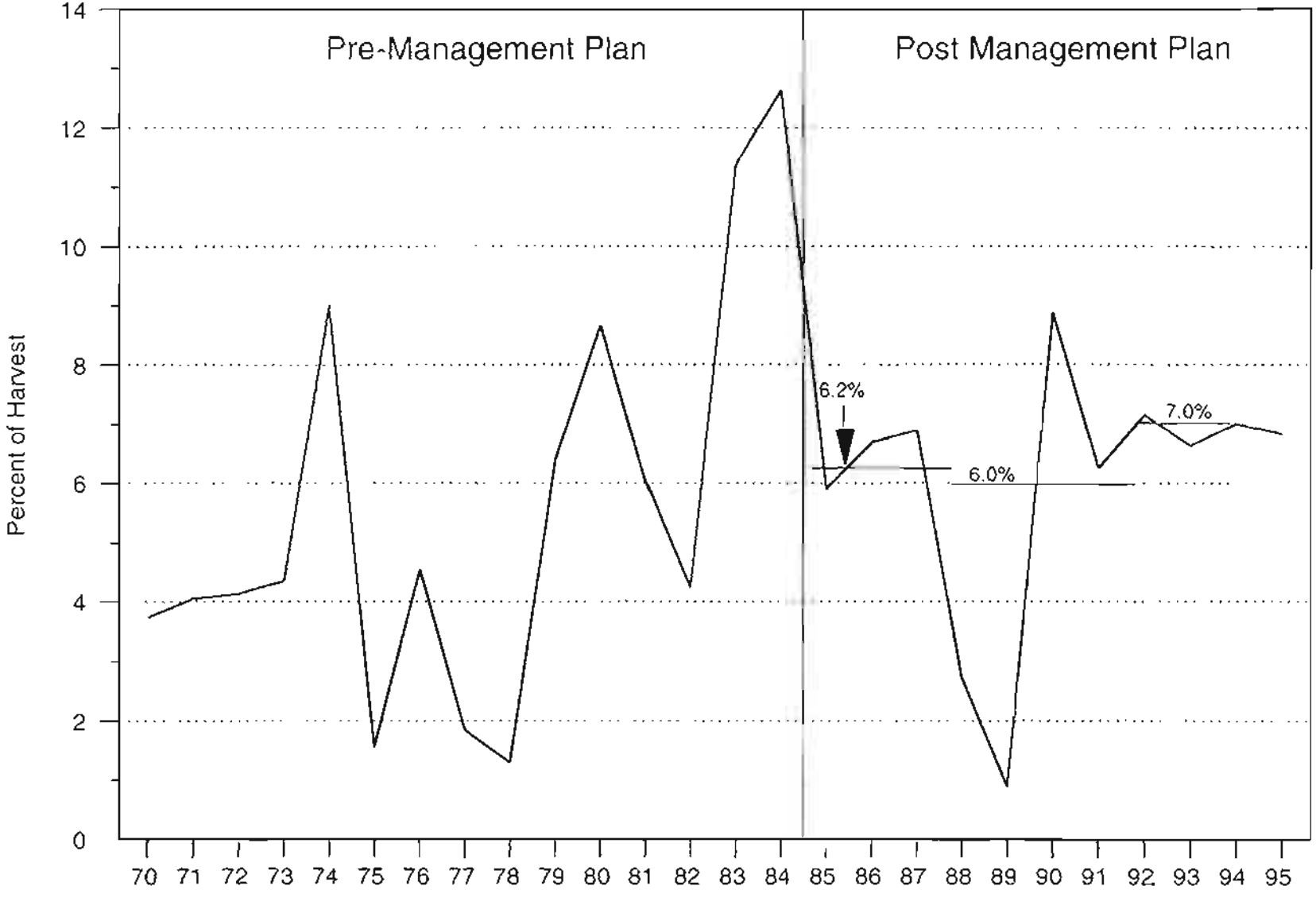

Figure 27. Chignik bound sockeye salmon harvest in the Southeastern District Mainland fishery, through July 25, 1970-95.

pg-sedm%
10/23/96

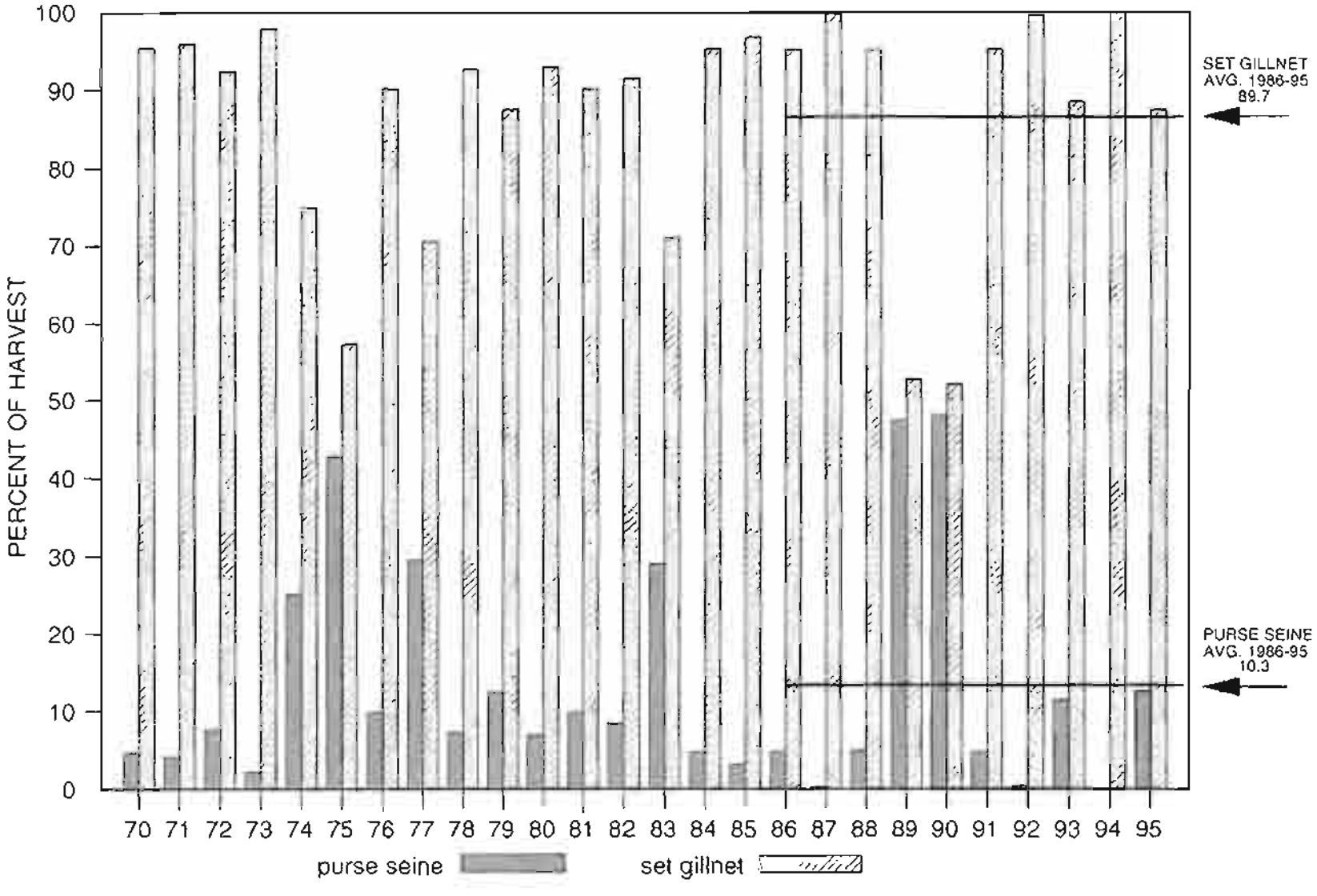

Figure 28. Southeastern District Mainland fishery sockeye salmon harvest, in percent of harvest, by gear, through July 25, 1970-95.

pg-sedimock
10/25/96

APPENDIX

Appendix A.1. Number of limited entry permits and fishing effort in the South Peninsula, 1970-95.

Year	Purse Seine		Drift Gillnet		Set Gillnet	
	Permits Available	Permits Fished	Permit Available	Permits Fished	Permits Available	Permits Fished
1970	125	108	165	157	114	30
1971	125	113	165	122	114	24
1972	125	90	165	151	114	25
1973	125	55	165	121	114	26
1974	125	46	165	46	114	42
1975	125	52	165	81	114	12
1976	125	89	165	108	114	24
1977	125	84	165	101	114	26
1978	125	101	165	120	114	30
1979	125	123	165	137	114	46
1980	125	114	165	129	114	45
1981	125	116	165	135	114	53
1982	125	115	165	138	114	52
1983	125	118	165	147	114	59
1984	125	121	165	147	114	66
1985	125	122	165	150	114	64
1986	125	119	165	156	114	60
1987	125	113	165	145	114	69
1988	125	112	165	148	114	70
1989	125	117	165	147	114	76
1990	126	118	164	154	114	81
1991	126	119	164	157	114	78
1992	125	119	164	142	114	79
1993	125	123	164	144	114	86
1994	125	118	164	145	114	79
1995	125	118	164	151	114	82
1976-95 Average	125	114	165	140	114	61
1986-95 Average	125	118	164	149	114	76

Note: Number of permits include permanent permits and interim use permits. Permits fished include those permit holders making at least one delivery during the year.

Appendix A.2. South Peninsula salmon harvest, all gear combined, by species, and year, 1908-95.

Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1908			0	69,400	0	0	0	69,400
1909			0	108,400	7,200	0	0	115,600
1910			0	46,300	5,500	0	0	51,800
1911			0	240,800	12,400	25,200	83,000	361,400
1912			0	334,400	27,000	40,400	195,000	596,800
1913			1,800	299,700	0	0	7,000	308,500
1914			600	628,900	0	311,000	221,100	1,161,600
1915			4,800	367,900	16,200	120,100	333,100	842,100
1916			6,800	730,900	34,100	576,100	508,900	1,856,800
1917			6,400	1,486,100	4,600	72,100	415,500	1,984,700
1918			8,700	1,014,100	16,300	2,150,000	1,501,000	4,690,100
1919			9,600	619,100	56,100	80,200	921,400	1,686,400
1920			7,800	1,142,300	47,700	2,109,800	934,000	4,241,600
1921			700	830,700	1,500	47,300	84,600	964,800
1922			6,900	3,376,800	2,200	756,700	349,300	4,491,900
1923			4,100	1,827,200	75,300	143,600	538,900	2,589,100
1924			3,900	1,352,000	127,300	3,931,300	1,330,700	6,745,200
1925			10,700	820,500	127,100	382,100	1,116,800	2,457,200
1926			9,500	3,071,500	193,800	3,719,700	1,179,800	8,174,300
1927			9,600	714,700	125,300	1,455,500	1,299,700	3,604,800
1928[a]			7,700	971,500	96,600	900,900	2,416,300	4,393,000
1929[a]			10,500	935,800	84,500	1,793,500	2,429,000	5,253,300
1930[a]			10,900	935,200	161,100	6,094,800	1,278,100	8,480,100
1931[a]			11,000	1,863,200	128,700	997,900	1,216,000	4,216,800
1932[a]			17,400	2,977,300	112,300	3,604,800	817,300	7,529,100
1933[a]			12,600	1,996,700	190,000	3,109,200	1,173,900	6,482,400
1934[a]			17,600	1,372,400	247,100	6,538,500	1,940,300	10,115,900
1935[a]			13,900	978,400	117,200	5,386,200	2,003,100	8,498,800
1936[a]			14,400	3,662,600	284,600	9,471,000	2,310,900	15,743,500
1937[a]			9,300	1,558,000	73,900	9,302,000	1,506,700	12,449,900
1938[a]			6,400	772,100	220,700	7,169,100	1,476,600	9,644,900
1939[a]			16,500	1,881,700	98,900	6,005,300	1,440,600	9,443,000
1940[a]			9,100	1,040,300	184,200	7,182,800	2,326,300	10,742,700
1941[a]			13,000	1,072,000	183,000	5,347,000	1,542,000	8,157,000
1942[a]			4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
1943[a]			21,700	2,397,700	90,600	4,360,200	924,500	7,794,700
1944[a]			9,900	538,600	238,700	2,653,800	985,600	4,426,600
1945[a]			21,400	813,400	116,100	3,639,600	948,900	5,539,400
1946[a]			6,100	752,300	151,400	1,964,000	1,219,900	4,093,700
1947[a]			3,400	1,137,100	55,800	2,319,600	1,219,200	4,735,100
1948[a]			1,200	285,900	39,200	1,683,700	1,139,600	3,149,600
1949[a]			3,800	637,500	19,500	1,544,000	560,900	2,765,700

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Appendix A.2. (page 2 of 3)

Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1950[a]			4,000	1,745,300	70,700	1,613,700	562,500	3,996,200
1951			1,500	264,200	55,700	2,844,800	683,100	3,849,300
1952			9,200	894,500	39,200	908,500	1,040,800	2,892,200
1953			7,200	1,039,200	47,900	2,743,900	1,464,600	5,302,800
1954			4,200	636,300	49,400	2,033,300	1,413,400	4,136,600
1955			5,400	550,100	44,800	2,529,200	688,200	3,817,700
1956			4,800	641,400	61,900	2,740,700	1,618,700	5,067,500
1957			5,800	341,900	49,900	913,100	1,281,400	2,592,100
1958			800	186,100	70,600	1,385,200	841,000	2,483,700
1959			900	217,500	8,500	915,600	711,700	1,854,200
1960			1,700	379,000	1,800	1,197,500	904,400	2,484,400
1961			900	456,800	10,400	1,727,800	748,600	2,944,500
1962			3,300	420,000	12,500	1,965,500	824,800	3,226,100
1963			1,900	204,400	16,500	2,367,700	461,300	3,051,800
1964			2,000	370,800	13,600	2,740,400	751,000	3,877,800
1965			2,100	915,700	34,200	2,884,100	556,400	4,392,500
1966			1,400	606,200	6,300	302,300	494,400	1,410,600
1967			1,600	294,100	2,900	77,800	245,200	621,600
1968			1,400	699,800	31,100	1,287,100	325,300	2,344,700
1969			1,900	912,800	10,900	1,219,400	389,200	2,534,200
1970	219	4,679	1,806	1,779,525	32,571	1,737,985	993,349	4,545,236
1971	187	4,444	2,174	716,087	16,907	1,445,031	1,365,957	3,546,156
1972	210	3,124	1,332	557,422	8,021	78,221	731,814	1,376,810
1973	153	1,795	415	330,091	6,599	58,051	292,943	688,099
1974	96	853	581	197,153	9,366	100,601	71,826	379,527
1975	143	600	117	243,548	67	60,642	130,750	435,124
1976	217	2,705	2,196	375,027	216	2,366,833	532,503	3,276,775
1977	205	2,168	559	311,722	2,108	1,448,648	243,167	2,006,204
1978	248	3,860	773	579,411	60,774	5,590,145	546,182	6,777,285
1979	294	4,476	2,141	1,149,927	356,867	6,564,914	482,930	8,556,779
1980	284	5,107	4,794	3,613,025	274,181	7,861,470	1,353,112	13,106,582
1981	304	5,617	11,182	2,241,513	162,223	5,033,028	1,768,475	9,216,421
1982	302	6,286	9,845	2,345,981	256,046	6,734,905	2,272,495	11,619,272
1983	325	5,241	26,571	2,556,557	127,657	2,827,622	1,704,072	7,242,479
1984[b]	334	6,378	9,198	2,318,028	310,950	11,589,258	1,654,622	15,882,056
1985	336	5,322	6,642	2,144,416	172,514	4,431,016	1,348,726	8,103,314
1986	335	5,132	5,589	1,223,089	235,854	4,031,487	1,749,651	7,245,670
1987	327	5,256	9,174	1,449,753	225,120	1,208,556	1,376,887	4,269,490
1988	330	6,478	11,075	1,473,651	505,533	7,044,824	1,908,507	10,943,590
1989	341	5,597	7,065	2,660,800	443,843	7,292,658	994,231	11,398,597
1990[c]	354	6,403	16,522	2,386,844	307,218	2,865,856	1,237,826	6,814,266
1991[c]	355	6,439	7,975	2,319,942	317,129	10,616,756	1,588,795	14,850,597
1992[c]	341	6,512	8,026	3,445,914	418,232	9,770,386	1,316,709	14,959,267
1993[c]	353	6,204	14,413	3,689,074	220,148	9,928,107	1,048,257	14,899,999

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Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1994[c]	343	6,750	10,002	2,107,233	255,905	9,179,853	2,192,079	13,745,072
1995[c]	352	8,193	17,469	3,017,002	264,347	16,311,770	1,728,013	21,338,601
Average 1976-95	314	5,506	9,061	2,070,445	245,843	6,634,905	1,352,362	10,312,616
Average 1986-95	343	6,296	10,731	2,377,330	319,333	7,825,025	1,514,096	12,046,515

[a] From 1928 until 1951 commercial salmon catches in the Aleutian Islands and the South Peninsula were combined.

[b] During June 18, 1984 fishers harvested 23 chinook, 63,929 sockeye, 1,900 coho, 18,950 pink, and 8,409 chum salmon in Unimak Pass. Unimak Pass was defined as closed to commercial salmon fishing under the Alaska Peninsula portion of the finfish regulations but open to commercial salmon fishing under the Aleutian Islands portion of the finfish regulation book. After 1984, regulations were passed through the Alaska Board of Fish closing the Unimak Pass area to commercial salmon fishing until at least July 10.

[c] Salmon numbers include test fish harvests.

Appendix A.3. List of statistical salmon fishing areas in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas.

Area	Statistical Areas
Alaska Peninsula	28100 through 28599 plus 31111 through 31899
South Peninsula prior to 1991	28100 through 28499
Southeastern District Mainland[a]	28100 through 28299 plus 28370, 28375, 28380, and 28390
East Stepovak	28134, 28135, 28136
Stepovak Flats	28133
Northwest Stepovak	28110 through 28132
Orzinski and American Bays	28131
Southwest Stepovak	28390
Balboa Bay	28380
Beaver Bay[a]	28370, 28375
Shumagin Islands	28200 through 28299
South Central District	28361 through 28369
Southwestern District	28300 through 28352 plus 28460
Unimak District	28400 through 28450 plus 28310
June South Unimak Fishery	28310 through 28330 plus 28420 through 28460
South Peninsula after 1990	28100 through 28599
Southeastern District	28100 through 28299
Southeastern District Mainland	28100 through 28199
East Stepovak	28100 through 28125
Stepovak Flats	28130
Northwest Stepovak	28140 through 28169
Orzinski Bay	28150
American Bay	28155
Southwest Stepovak	28170
Balboa Bay	28180
Beaver Bay	28190
Shumagin Islands	28200 through 28299
South Central District	28300 through 28399
Southwestern District	28400 through 28499
Unimak District	28500 through 28599
June South Unimak fishery	28400 through 28599
McGinty Point to Moss Cape	28315, 28317, 28321, 28323, 28324, 28325, 28326,28351, 28352, 28361, 28362, 28363, 28664, 28365, 8370, plus 28436, 28437, and 28438
Belkofski Bay to Kenmore Head	28312, 28320, 28331, 28332, 28333, 28334, 28335, 8341, 28342, plus 28442, 28445, 28455, 28462, 28465, 28467, 28475, 28477, 28480
Kenmore Head to Scotch Cap	28310, 28330, plus 28410, 28420, 28430, 28440, 28460, 28470, 28472, 28490, plus 28510, 28420, 28530, and 28540

-Continued-

Area	Statistical Areas
North Peninsula	
Northwestern District	31111 through 31299
Dublin Bay	31120
Urilia Bay	31132 through 31142
Swanson Lagoon	31152
Bechevin Bay	31158 through 31160
Izembek- Moffet Bay	31210 through 31240
Northern District	31300 through 31899
Black Hills	31310
Caribou Flats	31320
Nelson Lagoon	31330
Herendeen -Moller Bays	31400 through 31499
Bear River	31500 through 31599
Three Hills	31610
Ilnik	31620 through 31699
Ilnik Lagoon	31622
Outer Port Heiden	31710
Inner Port Heiden	31720
Cinder River	31820
Harbor Point to Cape Seniavin	31500 through 31599 and 31412
Cape Seniavin to Strogonof Point	31600 through 31699
Harbor Point to Strogonof Point	31500 through 31699 and 31412
Aleutian Island Area	30200 through 30999 and 31110
Atka-Amlia Area	30500 through 30599

[a] In 1985, statistical area 28370 became two areas (28370 and 28375). In 1988, Beaver Bay (28375) became part of the Southeastern District while the Mino Creek-Little Coal Bay area (28370) became part of the South Central District. In 1991, statistical areas were changed to reflect Alaska Board of Fish management plans. As an aid in comparing statistics, catches from 1970-90 from statistical areas 28370 and 28375 have been designated as Beaver Bay catches from the Southeastern District. After 1990, these statistical areas were eliminated, Beaver Bay became 28190 (Southeastern District) and the Mino Creek-Little Coal Bay area became 28317 and 28315 (South Central District).

Appendix A.4. South Peninsula harvest, all gear combined, season total by species and day, 1995[a].

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
11-Jun	30	32	14	5,152	2	75	735	5,978
12-Jun	48	66	99	10,019	2	99	1,000	11,219
13-Jun	245	259	1,334	161,858	2	4,886	53,413	221,493
14-Jun	98	108	1,491	86,908	0	2,731	36,351	127,481
15-Jun	276	318	1,972	270,527	197	8,952	56,353	338,001
16-Jun	253	294	1,180	138,575	20	4,555	28,324	172,654
17-Jun	250	274	855	98,075	52	4,035	23,612	126,629
18-Jun	178	181	259	25,400	6	1,278	6,476	33,419
19-Jun	104	110	119	27,761	15	822	3,734	32,451
20-Jun	235	259	559	138,557	87	7,086	23,279	169,568
21-Jun	279	316	1,066	198,740	120	15,324	41,743	256,993
22-Jun	269	304	1,154	195,350	278	18,285	52,373	267,440
23-Jun	259	295	1,199	200,413	523	22,683	44,286	269,104
24-Jun	278	314	957	167,697	565	17,243	41,932	228,394
25-Jun	234	281	861	152,874	678	17,823	30,310	202,546
26-Jun	224	266	963	141,663	674	20,357	43,453	207,110
27-Jun	59	67	273	53,167	299	8,695	18,446	80,880
28-Jun	56	57	198	31,875	983	6,962	10,134	50,152
29-Jun	119	127	398	49,924	841	14,053	21,929	87,145
30-Jun	21	23	76	20,740	761	3,087	5,252	29,916
7-Jul	33	49	9	9,159	12	2,073	3,651	14,904
8-Jul	20	20	7	3,530	29	187	533	4,286
9-Jul	22	30	0	4,067	0	29	108	4,204
11-Jul	24	25	0	4,207	0	36	19	4,262
12-Jul	25	27	1	2,811	0	46	19	2,877
13-Jul	16	22	0	2,114	1	27	15	2,157
14-Jul	63	73	6	8,517	99	9,038	22,049	39,709
15-Jul	63	87	9	9,211	178	18,387	21,481	49,266
16-Jul	16	24	1	3,190	0	67	30	3,288
17-Jul	14	20	0	3,439	0	96	31	3,566
18-Jul	13	23	1	5,665	0	235	110	6,011
19-Jul	69	98	72	47,933	2,487	52,494	11,724	114,710
20-Jul	134	153	148	57,269	16,402	280,580	45,761	400,160
21-Jul	134	171	164	68,656	18,063	370,154	52,647	509,684
22-Jul	172	211	594	86,021	24,225	420,247	72,854	603,941
23-Jul	9	10	0	1,447	0	313	70	1,830
24-Jul	9	10	0	1,580	0	321	57	1,958
25-Jul	118	131	211	26,261	17,368	269,459	38,276	351,575
26-Jul	147	179	203	47,471	23,863	384,731	38,353	494,621
27-Jul	156	187	171	41,433	16,991	506,575	53,872	619,042

-Continued-

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
28-Jul	142	169	176	50,800	15,733	628,030	50,522	745,261
29-Jul	10	10	0	1,458	21	30,582	319	32,380
30-Jul	13	14	0	1,736	0	75,828	792	78,356
31-Jul	13	14	3	2,942	45	87,567	2,024	92,581
1-Aug	143	189	84	37,108	9,870	1,138,455	54,044	1,239,561
2-Aug	164	228	76	45,650	11,045	1,150,787	77,156	1,284,714
3-Aug	7	7	0	150	0	68,730	616	69,496
4-Aug	21	24	1	995	125	214,850	4,666	220,637
5-Aug	150	204	37	19,766	7,831	1,389,595	50,232	1,467,461
6-Aug	158	223	30	31,180	10,658	1,439,178	58,637	1,539,683
8-Aug	15	19	1	166	9	146,911	2,874	149,961
9-Aug	104	117	21	5,546	6,450	987,119	30,241	1,029,377
10-Aug	147	195	13	18,536	8,956	1,574,324	38,458	1,640,287
11-Aug	39	39	8	7,962	7,950	489,305	21,612	526,837
12-Aug	34	35	3	3,297	4,499	239,849	10,248	257,896
14-Aug	145	185	8	14,391	7,348	1,245,078	38,572	1,305,397
15-Aug	34	38	8	6,023	3,625	322,397	13,650	345,703
16-Aug	116	165	2	9,069	2,746	1,037,430	71,444	1,120,691
17-Aug	33	34	2	5,812	4,169	264,195	9,768	283,946
18-Aug	33	35	4	4,391	2,554	252,818	6,894	266,661
19-Aug	130	157	2	12,396	4,328	995,419	55,974	1,068,119
22-Aug	37	38	0	0	0	0	65,951	65,951
23-Aug [b]	*	*	*	*	*	*	*	*
24-Aug	28	28	0	1	1	0	53,589	53,591
27-Aug	26	26	0	204	322	8,627	50,281	59,434
30-Aug	10	11	0	0	16	715	32,109	32,840
1-Sep	43	60	2	16,901	5,239	1,538	2,646	26,326
2-Sep	4	4	0	408	879	0	82	1,369
3-Sep	4	4	0	319	927	0	35	1,281
4-Sep	27	34	0	8,990	1,841	60	1,081	11,972
5-Sep	33	54	0	19,079	2,710	46	1,580	23,415
6-Sep	37	62	0	22,789	5,630	52	1,670	30,141
7-Sep	40	65	0	13,992	2,819	14	1,070	17,895
11-Sep	28	31	0	4,308	1,340	0	442	6,090
12-Sep	29	41	0	5,046	1,096	0	484	6,626
13-Sep	26	36	0	4,385	793	0	261	5,439
14-Sep	21	28	1	5,049	1,476	0	295	6,821
15-Sep	13	17	0	2,728	416	0	134	3,278
18-Sep [b]	*	*	*	*	*	*	*	*
19-Sep [b]	*	*	*	*	*	*	*	*
20-Sep [b]	*	*	*	*	*	*	*	*
21-Sep [b]	*	*	*	*	*	*	*	*

-Continued-

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
22-Sep	7	7	0	1,841	280	0	46	2,167
25-Sep	2	2	0	93	53	0	0	146
26-Sep	5	5	0	804	76	0	0	880
27-Sep	4	4	0	1,137	108	0	2	1,247
28-Sep [b]	*	*	*	*	*	*	*	*
29-Sep	4	4	0	765	84	0	0	849
4-Oct	3	3	0	352	67	0	0	419
5-Oct [b]	*	*	*	*	*	*	*	*
6-Oct [b]	*	*	*	*	*	*	*	*
9-Oct [b]	*	*	*	*	*	*	*	*
Total	351	8,177	17,078	2,996,353	260,686	16,302,593	1,715,067	21,291,777

[a] Salmon numbers exclude test fish harvest.

[b] Confidentiality requirements prohibit reporting harvest by day.

Appendix A.5. South Peninsula salmon harvest, by statistical area, section, and district, 1995[a].

Statistical Area	Section	Number of Salmon					
		Chinook	Sockeye	Coho	Pink	Chum	Total
SOUTH PENINSULA							
SOUTHEASTERN DISTRICT							
281-15	Kupreanof Point	69	27,920	13,958	158,595	15,908	216,450
281-25	Island & Fox Bays	103	144,533	16,010	167,029	30,572	358,247
East Stepovak Section Total		172	172,453	29,968	325,624	46,480	574,697
281-30	Stepovak Flats Section	9	2,112	0	5,908	13,429	21,458
281-40	Grub Gulch/Clark Bay	16	11,492	748	146,035	17,531	175,822
281-50	Orzinski Bay	5	62,220	60	18,738	3,802	84,825
281-55	American Bay	3	13,823	767	19,212	3,831	37,636
281-60	Blunt Pt. to Dorenoi Bay	11	17,371	972	389,849	23,492	431,695
Northwest Stepovak Section Total		35	104,906	2,547	573,834	48,656	729,978
281-70	Southwest Stepovak Section	176	56,309	9,273	510,921	27,871	604,550
281-80	Balboa Bay Section	88	58,226	6,443	649,533	48,756	763,046
281-90	Beaver Bay Section	18	5,469	316	46,719	1,784	54,306
Southeastern Dist. Mainland Total		***498***	***399,475***	***48,547***	***2,112,539***	***186,976***	***2,748,035***

-Continued-

Statistical Area	Section	Number of Salmon					
		Chinook	Sockeye	Coho	Pink	Chum	Total
282-10	Popof Strait/Squaw Harbor	27	29,093	2,388	679,479	6,435	717,422
282-11	Unga Cape/East Popof	6,300	495,237	116,584	2,855,586	334,261	3,807,968
282-20	Acheredin Bay	31	55,848	1,230	81,700	9,106	147,915
282-25	West Unga Island	48	86,172	4,757	414,293	28,995	534,265
282-30	Bay Point	2	1,452	10	51,396	2,237	55,097
282-35	Zachary Bay	15	3,197	197	642,227	12,921	658,557
282-40	East Head/West Head	3	2,752	342	3,003	617	6,717
282-42	Korovin Island	1,978	201,886	31,388	235,941	89,726	560,919
282-45	Cape Wedge/NE Nagai	68	7,633	1,053	18,382	4,601	31,737
282-65	Southeast Nagai	331	7,864	1,116	57,028	2,046	68,385
282-70	Southwest Nagai	51	69,001	6,731	353,917	15,760	445,460
282-75	Cape Horn/Porpoise Rocks	5	2,399	96	847	541	3,888
282-80	East Nagai Strait	2	397	0	0	426	825
Shumagin Islands Section Total		***8,861***	***962,931***	***165,892***	***5,393,799***	***507,672***	***7,039,155***
SOUTHEASTERN DISTRICT TOTAL		***9,359***	***1,362,406***	***214,439***	***750,338***	***694,648***	***9,787,190***
SOUTH CENTRAL DISTRICT							
283-15	Mino Creek	0	1,200	45	6,440	75	7,760
283-17	Coal Bay	7	36,580	750	1,232,297	14,950	1,284,584
Mino Cr.-Little Coal B. Sect. Total		7	37,780	795	1,238,737	15,025	1,292,344

-Continued-

Statistical Area	Section	Number of Salmon					
		Chinook	Sockeye	Coho	Pink	Chum	Total
283-21	Northside Cape Tolstoi	0	2,140	17	51,097	3,443	56,697
283-23	Eastside Pavlof Bay	11	19,072	821	1,265,246	20,541	1,305,691
East Pavlof Bay Section Total		11	21,212	838	1,316,343	23,984	1,362,388
283-24	Canoe Bay Section	13	612	43	965,115	117,611	1,083,394
283-25	Northwest Pavlof Bay	0	317	0	115	6,423	6,855
283-26	Long Beach/Ukolnoi	10	7,957	1,435	404,879	13,784	428,065
West Pavlof Bay Section Total		10	8,274	1,435	404,994	20,207	434,920
SOUTH CENTRAL DISTRICT TOTAL		**41**	**67,878**	**3,111**	**3,925,189**	**176,827**	**4,173,046**
SOUTHWESTERN DISTRICT							
284-36	Volcano Bay	0	588	115	260,183	236,598	497,484
284-37	Northside Dolgoi Island	19	42,460	6,494	210,676	15,439	275,088
284-38	South Dolgoi/Moss Cape	75	22,562	3,017	1,093,544	19,394	1,138,592
Volcano Bay Section Total		94	65,610	9,626	1,564,403	271,431	1,911,164
284-42	Belkofski Bay	8	6,732	257	874,831	38,084	919,912
284-45	King Cove	1	3,893	82	199,704	7,777	211,457
Belkofski Bay Section Total		9	10,625	339	1,074,535	45,861	1,131,369

-Continued-

Statistical Area	Section	Number of Salmon					
		Chinook	Sockeye	Coho	Pink	Chum	Total
284-55 Deer Island Section		6	7,974	261	1,966,737	13,243	1,988,221
284-62	Outer Cold Bay	0	2,519	28	2,274	4,066	8,887
284-65	Lenard Harbor	0	57	0	81,974	39,476	121,507
284-67	Inner Cold Bay	0	106	2	5,121	91,687	96,916
Cold Bay Section Total		0	2,682	30	89,369	135,229	227,310
284-75	Thin Point Section	0	19,828	3,909	13,819	15,127	52,683
284-80	Morzhovoi Bay Section	117	12,660	791	11,118	7,886	32,572
284-90	Ikatan Bay Section	1,558	208,376	27,396	54,123	62,810	354,263
SOUTHWESTERN DISTRICT TOTAL		1,784	327,755	42,352	4,774,104	551,587	5,697,582
UNIMAK DISTRICT							
285-10	Sanak Island Section	0	98	0	0	0	98
285-20	Bird Island	907	269,624	347	8,890	71,155	350,923
285-30	Cape Lazaref	918	225,234	198	22,523	67,659	316,532
Otter Cove Section Total		1,825	494,858	545	31,413	138,814	667,455
285-40	Cape Lutke Section	4,460	764,007	3,900	74,726	166,137	1,013,230

-Continued-

Statistical Area	Section	Number of Salmon					
		Chinook	Sockeye	Coho	Pink	Chum	Total
UNIMAK DISTRICT TOTAL		*6,285*	*1,258,963*	*4,445*	*106,139*	*304,951*	*1,680,783*
SOUTH PENINSULA TOTAL		**17,469**	**3,017,002**	**264,347**	**16,311,770**	**1,728,013**	**21,338,601**

[a] Salmon numbers include test fish harvests.

Appendix A.6. South Peninsula purse seine salmon harvest by species and day, 1995.[a]

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
13-Jun	67	69	1,031	76,617	0	4,787	27,777	110,212
14-Jun	51	57	1,410	69,773	0	2,729	31,889	105,801
15-Jun	90	92	1,471	137,499	3	8,837	35,452	183,262
16-Jun	80	81	877	69,680	3	4,385	17,029	91,974
17-Jun	72	74	668	54,851	7	3,851	14,677	74,054
18-Jun	45	45	224	14,348	4	1,251	4,153	19,980
19-Jun	22	22	51	8,035	3	643	1,259	9,991
20-Jun	66	66	315	51,481	17	6,611	11,608	70,032
21-Jun	89	90	779	104,042	18	14,583	27,263	146,685
22-Jun	83	84	751	95,988	34	17,667	29,762	144,202
23-Jun	80	81	838	111,251	116	21,616	22,718	156,539
24-Jun	83	84	646	86,088	50	16,061	20,535	123,380
25-Jun	77	79	645	84,562	125	16,823	16,642	118,797
26-Jun	69	72	772	83,980	177	19,557	35,055	139,541
27-Jun	27	27	239	37,938	155	8,426	16,814	63,572
28-Jun	30	30	178	23,344	795	6,777	8,755	39,849
29-Jun	64	65	354	30,602	648	13,145	19,307	64,056
30-Jun	7	7	34	4,326	123	2,068	3,398	9,949
7-Jul	8	10	0	80	1	537	1,255	1,873
8-Jul [b]	*	*	*	*	*	*	*	*
11-Jul [b]	*	*	*	*	*	*	*	*
12-Jul [b]	*	*	*	*	*	*	*	*
14-Jul	18	18	0	658	17	7,242	21,074	28,991
15-Jul	18	20	2	198	3	16,345	20,058	36,606
19-Jul	26	26	63	19,006	2,373	43,419	9,389	74,250
20-Jul	70	72	123	38,475	12,855	261,250	40,028	352,731
21-Jul	73	79	148	41,815	16,621	344,497	46,902	449,983
22-Jul	96	97	250	57,644	20,194	389,550	65,550	533,188
25-Jul	62	64	197	9,520	12,464	248,704	31,649	302,534
26-Jul	73	74	177	25,460	17,088	348,986	28,418	420,129
27-Jul	78	88	144	15,283	10,382	464,651	41,668	532,128
28-Jul	81	88	167	29,386	13,782	590,567	42,657	676,559
29-Jul	3	3	0	0	0	29,095	0	29,095
30-Jul	6	7	0	722	0	74,836	688	76,246
31-Jul	7	8	3	1,043	44	86,214	1,940	89,244
1-Aug	86	109	79	17,819	6,792	1,098,814	46,613	1,170,117
2-Aug	98	110	68	23,829	8,733	1,086,151	65,716	1,184,497
3-Aug	7	7	0	150	0	68,730	616	69,496
4-Aug	21	24	1	995	125	214,850	4,666	220,637
5-Aug	97	122	33	8,532	6,313	1,345,188	44,533	1,404,599

-Continued-

Appendix A.6. (page 2 of 2)

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
6-Aug	100	116	28	14,580	8,357	1,370,281	48,037	1,441,283
8-Aug	15	19	1	166	9	146,911	2,874	149,961
9-Aug	82	94	21	4,021	6,117	968,247	28,479	1,006,885
10-Aug	103	128	13	8,913	7,377	1,521,217	31,692	1,569,212
11-Aug	38	38	8	7,491	7,815	487,994	21,520	524,828
12-Aug	33	34	3	2,802	4,346	238,593	10,081	255,825
14-Aug	107	122	8	7,160	5,420	1,199,679	33,565	1,245,832
15-Aug	32	34	8	4,758	3,403	318,001	13,297	339,467
16-Aug	76	97	2	959	1,094	959,504	64,138	1,025,697
17-Aug	31	31	2	5,125	3,928	262,006	9,636	280,697
18-Aug	31	33	4	4,114	2,401	250,086	6,824	263,429
19-Aug	105	120	1	6,866	3,258	934,001	53,780	997,906
22-Aug	35	36	0	0	0	0	64,511	64,511
23-Aug [b]	*	*	*	*	*	*	*	*
24-Aug	28	28	0	1	1	0	53,589	53,591
27-Aug	26	26	0	204	322	8,627	50,281	59,434
30-Aug	10	11	0	0	16	715	32,109	32,840
1-Sep	4	4	2	1,147	729	0	369	2,247
5-Sep [b]	*	*	*	*	*	*	*	*
6-Sep	3	3	0	4,883	2,547	45	273	7,748
7-Sep	3	3	0	1,173	450	0	92	1,715
12-Sep [b]	*	*	*	*	*	*	*	*
Total	118	3,135	12,839	1,513,093	188,252	15,574,585	1,383,599	18,672,368

[a] Salmon numbers exclude test fish harvests.

[b] Confidentiality requirements prohibit reporting harvest by day.

Appendix A.7. South Peninsula drift gillnet salmon harvest by species and day, 1995.

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
13-Jun	132	135	202	73,335	1	89	21,908	95,535
14-Jun	24	26	62	11,619	0	2	3,473	15,156
15-Jun	131	145	400	107,452	193	103	19,198	127,346
16-Jun	112	123	202	50,383	12	117	9,470	60,184
17-Jun	139	152	161	33,798	44	163	8,396	42,562
18-Jun	103	104	26	6,260	2	8	2,036	8,332
19-Jun	63	64	67	12,757	12	131	2,326	15,293
20-Jun	125	138	209	71,555	62	418	10,471	82,715
21-Jun	135	156	226	76,786	81	646	11,861	89,600
22-Jun	136	154	350	85,016	201	487	21,140	107,194
23-Jun	136	157	309	73,771	331	759	19,052	94,222
24-Jun	142	159	244	68,603	386	940	19,141	89,314
25-Jun	112	144	170	53,734	459	669	12,600	67,632
26-Jun	94	102	131	31,806	388	417	6,911	39,653
27-Jun	17	20	25	8,606	130	55	860	9,676
28-Jun	14	15	18	6,257	164	62	1,148	7,649
29-Jun	13	15	23	6,622	75	38	1,048	7,806
30-Jun	11	13	37	14,580	514	983	1,676	17,790
20-Jul	13	13	8	2,734	2,170	3,953	1,432	10,297
21-Jul	4	4	0	1,326	214	2,611	525	4,676
22-Jul	15	27	0	5,406	2,949	7,645	3,216	19,216
25-Jul	14	14	8	3,319	3,796	4,658	3,903	15,684
26-Jul	15	15	1	2,551	4,556	5,256	2,569	14,933
27-Jul	15	15	4	1,873	4,958	4,139	3,570	14,544
28-Jul	3	3	3	226	857	420	481	1,987
1-Aug	7	7	5	1,000	2,477	1,791	1,063	6,336
2-Aug	8	10	5	1,300	1,675	4,203	1,681	8,864
5-Aug	3	3	0	397	620	1,757	586	3,360
6-Aug	5	9	0	1,146	1,419	3,716	2,678	8,959
9-Aug	3	3	0	43	44	615	306	1,008
10-Aug	3	3	0	184	285	1,104	507	2,080
Total	151	1,948	2,896	814,445	29,075	47,955	195,232	1,089,603

Appendix A.8. South Peninsula set gillnet salmon harvest by species and day, 1995.

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
11-Jun	29	31	14	3,398	2	1	108	3,523
12-Jun	47	65	71	8,172	2	2	595	8,842
13-Jun	46	55	101	11,906	1	10	3,728	15,746
14-Jun	23	25	19	5,516	0	0	989	6,524
15-Jun	55	81	101	25,576	1	12	1,703	27,393
16-Jun	61	90	101	18,512	5	53	1,825	20,496
17-Jun	39	48	26	9,426	1	21	539	10,013
18-Jun	30	32	9	4,792	0	19	287	5,107
19-Jun	19	24	1	6,969	0	48	149	7,167
20-Jun	44	55	35	15,521	8	57	1,200	16,821
21-Jun	55	70	61	17,912	21	95	2,619	20,708
22-Jun	50	66	53	14,346	43	131	1,471	16,044
23-Jun	43	57	52	15,391	76	308	2,516	18,343
24-Jun	53	71	67	13,006	129	242	2,256	15,700
25-Jun	45	58	46	14,578	94	331	1,068	16,117
26-Jun	61	92	60	25,877	109	383	1,487	27,916
27-Jun	15	20	9	6,623	14	214	772	7,632
28-Jun	12	12	2	2,274	24	123	231	2,654
29-Jun	42	47	21	12,700	118	870	1,574	15,283
30-Jun	3	3	5	1,834	124	36	178	2,177
7-Jul	25	39	9	9,079	11	1,536	2,396	13,031
8-Jul	19	19	7	3,518	29	91	373	4,018
9-Jul	22	30	0	4,067	0	29	108	4,204
11-Jul	23	24	0	2,594	0	36	19	2,649
12-Jul	24	26	1	2,605	0	46	19	2,671
13-Jul	16	22	0	2,114	1	27	15	2,157
14-Jul	45	55	6	7,859	82	1,796	975	10,718
15-Jul	45	67	7	9,013	175	2,042	1,423	12,660
16-Jul	16	24	1	3,190	0	67	30	3,288
17-Jul	14	20	0	3,439	0	96	31	3,566
18-Jul	13	23	1	5,665	0	235	110	6,011
19-Jul	43	72	9	28,927	114	9,075	2,335	40,460
20-Jul	51	68	17	16,060	1,377	15,377	4,301	37,132
21-Jul	57	88	16	25,515	1,228	23,046	5,220	55,025
22-Jul	61	87	344	22,971	1,082	23,052	4,088	51,537
23-Jul	9	10	0	1,447	0	313	70	1,830
24-Jul	9	10	0	1,580	0	321	57	1,958
25-Jul	42	53	6	13,422	1,108	16,097	2,724	33,357
26-Jul	59	90	25	19,460	2,219	30,489	7,366	59,559
27-Jul	63	84	23	24,277	1,651	37,785	8,634	72,370
28-Jul	58	78	6	21,188	1,094	37,043	7,384	66,715
29-Jul	7	7	0	1,458	21	1,487	319	3,285
30-Jul	7	7	0	1,014	0	992	104	2,110
31-Jul	6	6	0	1,899	1	1,353	84	3,337
1-Aug	50	73	0	18,289	601	37,850	6,368	63,108

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Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
2-Aug	58	108	3	20,521	637	60,433	9,759	91,353
5-Aug	50	79	4	10,837	898	42,650	5,113	59,502
6-Aug	53	98	2	15,454	882	65,181	7,922	89,441
9-Aug	19	20	0	1,482	289	18,257	1,456	21,484
10-Aug	41	64	0	9,439	1,294	52,003	6,259	68,995
11-Aug [a]	*	*	*	*	*	*	*	*
12-Aug [a]	*	*	*	*	*	*	*	*
14-Aug	38	63	0	7,231	1,928	45,399	5,007	59,565
15-Aug [a]	*	*	*	*	*	*	*	*
16-Aug	40	68	0	8,110	1,652	77,926	7,306	94,994
17-Aug [a]	*	*	*	*	*	*	*	*
18-Aug [a]	*	*	*	*	*	*	*	*
19-Aug	25	37	1	5,530	1,070	61,418	2,194	70,213
22-Aug [a]	*	*	*	*	*	*	*	*
1-Sep	39	56	0	15,754	4,510	1,538	2,277	24,079
2-Sep	4	4	0	408	879	0	82	1,369
3-Sep	4	4	0	319	927	0	35	1,281
4-Sep	27	34	0	8,990	1,841	60	1,081	11,972
5-Sep	31	52	0	17,850	2,683	46	1,572	22,151
6-Sep	34	59	0	17,906	3,083	7	1,397	22,393
7-Sep	37	62	0	12,819	2,369	14	978	16,180
11-Sep	28	31	0	4,308	1,340	0	442	6,090
12-Sep	28	40	0	4,858	1,005	0	484	6,347
13-Sep	26	36	0	4,385	793	0	261	5,439
14-Sep	21	28	1	5,049	1,476	0	295	6,821
15-Sep	13	17	0	2,728	416	0	134	3,278
18-Sep [a]	*	*	*	*	*	*	*	*
19-Sep [a]	*	*	*	*	*	*	*	*
20-Sep [a]	*	*	*	*	*	*	*	*
21-Sep [a]	*	*	*	*	*	*	*	*
22-Sep	7	7	0	1,841	280	0	46	2,167
25-Sep [a]	*	*	*	*	*	*	*	*
26-Sep	5	5	0	804	76	0	0	880
27-Sep	4	4	0	1,137	108	0	2	1,247
28-Sep [a]	*	*	*	*	*	*	*	*
29-Sep	4	4	0	765	84	0	0	849
4-Oct	3	3	0	352	67	0	0	419
5-Oct [a]	*	*	*	*	*	*	*	*
6-Oct [a]	*	*	*	*	*	*	*	*
9-Oct [a]	*	*	*	*	*	*	*	*
Total	82	3,094	1,343	668,815	43,359	680,053	136,236	1,529,806

[a] Confidentiality requirements prohibit reporting harvest by day.

Appendix A.9 South Peninsula salmon harvest by species, district, and gear, 1995[a].

	Number of Salmon						
	Chinook	Sockeye	Coho	Pink	Chum	Total	Percent of Harvest
SOUTHEASTERN DISTRICT							
Seine	8,155	810,384	176,752	6,929,122	581,297	8,505,710	87.2
Set Gillnet	914	538,612	34,027	568,144	103,346	1,245,043	12.8
Total	9,069	1,348,996	210,779	7,497,266	684,643	9,750,753	
SOUTH CENTRAL DISTRICT							
Seine	29	46,106	2,123	3,912,431	171,312	4,132,001	99.0
Set Gillnet	12	21,772	988	12,758	5,515	41,045	1.0
Total	41	67,878	3,111	3,925,189	176,827	4,173,046	
SOUTHWESTERN DISTRICT							
Seine	1,071	136,343	7,911	4,632,381	488,889	5,266,595	92.4
Drift Gillnet	333	88,650	26,276	42,636	37,043	194,938	3.4
Set Gillnet	380	102,762	8,165	99,087	25,655	236,049	4.1
Total	1,784	327,755	42,352	4,774,104	551,587	5,697,582	
UNIMAK DISTRICT							
Seine	3,584	520,260	1,466	100,651	142,101	768,062	46.0
Drift Gillnet	2,563	725,795	2,799	5,319	158,189	894,665	53.6
Set Gillnet	37	5,669	179	64	1,720	7,669	0.5
Total	6,184	1,251,724	4,444	106,034	302,010	1,670,396	
SOUTH PENINSULA TOTAL							
Seine	12,839	1,513,093	188,252	15,574,585	1,383,599	18,672,368	87.7
Drift Gillnet	2,896	814,445	29,075	47,955	195,232	1,089,603	5.1
Set Gillnet	1,343	668,815	43,359	680,053	136,236	1,529,806	7.2
Total	17,078	2,996,353	260,686	16,302,593	1,715,067	21,291,777	

[a] Salmon numbers exclude test fish harvests.

Appendix A.10. Estimated exvessel value of South Peninsula June and post June fisheries, 1984-95.

Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1984						
June	66,000	6,100,000	0	215,000	800,000	7,181,000
Post June	114,000	5,192,000	1,319,000	10,658,000	2,348,000	19,631,000
Total	180,000	11,292,000	1,319,000	10,873,000	3,148,000	26,812,000
1985						
June	175,000	12,230,000	15,000	30,000	1,185,000	13,635,000
Post June	11,000	1,016,000	866,000	3,755,000	1,737,000	7,385,000
Total	186,000	13,246,000	881,000	3,785,000	2,922,000	21,020,000
1986						
June	33,000	3,427,000	0	62,000	932,000	4,454,000
Post June	40,000	7,503,000	1,068,000	2,668,000	3,488,000	14,767,000
Total	73,000	10,930,000	1,068,000	2,730,000	4,420,000	19,221,000
1987						
June	147,000	9,113,000	0	4,000	1,397,000	10,661,000
Post June	69,000	5,334,000	1,398,000	1,769,000	2,444,000	11,014,000
Total	216,000	14,447,000	1,398,000	1,773,000	3,841,000	21,675,000
1988						
June	121,000	10,216,000	0	99,000	3,721,000	14,157,000
Post June	144,000	10,864,000	4,114,000	19,705,000	8,218,000	43,045,000
Total	265,000	21,080,000	4,114,000	19,804,000	11,939,000	57,202,000
1989						
June	76,000	16,712,000	0	130,000	1,530,000	18,448,000
Post June	69,000	7,880,000	2,388,000	9,399,000	1,225,000	20,961,000
Total	145,000	24,592,000	2,388,000	9,529,000	2,755,000	39,409,000
1990						
June	119,000	14,057,000	0	242,000	1,521,000	15,939,000
Post June	184,000	8,647,000	1,600,000	2,531,000	1,418,000	14,380,000
Total	303,000	22,704,000	1,600,000	2,773,000	2,939,000	30,319,000

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Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1991						
June	65,000	7,400,000	40	1,800,000	1,200,000	10,465,040
Post June	22,000	3,869,000	871,960	2,131,000	1,125,000	8,018,960
Total	87,000	11,269,000	872,000	3,931,000	2,325,000	18,484,000
1992						
June	64,000	21,774,000	0	138,000	1,075,000	23,051,000
Post June	39,000	8,561,000	1,666,000	5,266,000	1,463,000	16,995,000
Total	103,000	30,335,000	1,666,000	5,404,000	2,538,000	40,046,000
1993						
June	126,151	13,155,634	3,013	16,250	889,534	14,190,582
Post June	34,001	3,465,832	645,324	4,648,857	879,250	9,673,264
Total	160,152	16,621,466	648,337	4,665,107	1,768,784	23,863,846
1994						
June	100,000	6,382,000	4,170	657,500	911,000	8,054,670
Post June	9,400	4,215,000	932,830	3,980,500	2,773,000	11,910,730
Total	109,400	10,597,000	937,000	4,638,000	3,684,000	19,965,400
1995						
June	200,000	7,100,000	5,000	35,000	600,000	7,940,000
Post June	15,000	2,100,000	460,000	9,425,000	1,490,000	13,490,000
Total	215,000	9,200,000	465,000	9,460,000	2,090,000	21,430,000
1985-94 Average						
June	102,615	11,446,663	2,222	317,875	1,436,153	13,305,529
Post June	62,140	6,135,483	1,555,011	5,585,336	2,477,025	15,814,995
Total	164,755	17,582,147	1,557,234	5,903,211	3,913,178	29,120,525

Appendix A.11. South Peninsula salmon runs by species, 1962-95.

Year		Chinook	Sockeye	Coho	Pink	Chum
1962	Catch	3,300	420,000	12,500	1,965,400	824,800
	Escapement	0	18,800	-	1,598,800	399,400
	Total	3,300	438,800	-	3,564,200	1,224,200
1963	Catch	1,900	204,400	16,500	2,367,700	461,300
	Escapement	0	23,000	-	1,317,900	446,700
	Total	1,900	227,400	-	3,685,600	908,000
1964	Catch	2,000	370,800	13,600	2,740,300	751,000
	Escapement	0	15,700	-	1,436,400	454,800
	Total	2,000	386,500	-	4,176,700	1,205,800
1965	Catch	2,100	915,700	34,200	2,884,100	556,400
	Escapement	0	12,100	-	1,035,400	228,000
	Total	2,100	927,800	-	3,919,500	784,400
1966	Catch	1,400	606,200	6,300	305,800	494,400
	Escapement	0	17,000	-	719,400	422,000
	Total	1,400	623,200	-	1,025,200	916,400
1967	Catch	1,600	294,100	2,900	78,300	245,200
	Escapement	0	16,200	-	445,500	182,900
	Total	1,600	310,300	-	523,800	428,100
1968	Catch	1,400	699,800	31,100	1,287,100	325,300
	Escapement	0	12,800	-	823,300	279,100
	Total	1,400	712,600	-	2,110,400	604,400
1969	Catch	1,900	912,800	10,900	1,219,100	389,200
	Escapement	0	29,500	-	2,474,900	134,600
	Total	1,900	942,300	-	3,694,000	523,800
1970	Catch	1,806	1,799,525	32,571	1,737,985	993,349
	Escapement	0	16,500	-	1,298,900	280,500
	Total	1,806	1,816,025	-	3,036,885	1,273,849
1971	Catch	2,174	716,087	16,907	1,445,031	1,365,957
	Escapement	0	19,400	-	702,700	343,200
	Total	2,174	735,487	-	2,147,731	1,709,157
1972	Catch	1,332	557,422	8,021	78,221	731,814
	Escapement	0	11,900	-	111,400	254,500
	Total	1,332	569,322	-	189,621	986,314

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Year		Chinook	Sockeye	Coho	Pink	Chum
1973	Catch	415	330,091	6,599	58,051	292,943
	Escapement	0	7,300	-	110,800	212,500
	Total	415	337,391	-	168,851	505,443
1974	Catch	581	197,153	9,366	100,601	71,826
	Escapement	0	95,600	-	284,400	257,300
	Total	581	292,753	-	385,001	329,126
1975	Catch	117	243,548	67	60,642	130,750
	Escapement	0	51,700	-	552,100	193,300
	Total	117	295,248	-	612,742	324,050
1976	Catch	2,196	375,027	216	2,366,833	532,503
	Escapement	0	69,700	-	1,456,400	327,200
	Total	2,196	444,727	-	3,823,233	859,703
1977	Catch	559	311,722	2,108	1,448,648	243,167
	Escapement	0	64,900	-	2,677,800	774,900
	Total	559	376,622	-	4,126,448	1,018,067
1978	Catch	773	579,411	60,774	5,590,145	546,182
	Escapement	0	64,800	-	2,858,700	600,500
	Total	773	644,211	-	8,348,845	1,146,682
1979	Catch	2,141	1,149,927	356,867	6,564,914	482,930
	Escapement	0	53,300	-	2,629,500	411,100
	Total	2,141	1,203,227	-	9,194,414	894,030
1980	Catch	4,794	3,613,025	274,181	7,861,470	1,353,112
	Escapement	0	45,900	-	2,641,600	362,400
	Total	4,794	3,658,925	-	10,502,070	1,713,512
1981	Catch	11,182	2,241,513	162,223	5,033,028	1,768,475
	Escapement	0	45,700	-	2,307,500	381,300
	Total	11,182	2,287,213	-	7,340,528	2,149,775
1982	Catch	9,845	2,345,981	256,046	6,734,905	2,272,495
	Escapement	0	39,200	-	2,293,000	386,900
	Total	9,845	2,385,181	-	9,027,905	2,659,395
1983	Catch	26,571	2,556,557	127,657	2,827,622	1,704,072
	Escapement	0	59,200	-	851,200	446,500
	Total	26,571	2,615,757	-	3,678,822	2,150,572

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Year		Chinook	Sockeye	Coho	Pink	Chum
1984	Catch	9,198	2,318,028	310,950	11,589,258	1,654,622
	Escapement	0	54,800	-	3,811,600	699,700
	Total	9,198	2,372,828	-	15,400,858	2,354,322
1985	Catch	6,642	2,144,416	172,514	4,431,016	1,348,726
	Escapement	0	49,900	-	1,614,100	503,400
	Total	6,642	2,194,316	-	6,045,116	1,852,126
1986	Catch	5,589	1,223,089	235,854	4,031,487	1,749,651
	Escapement	0	48,000	-	1,716,700	544,500
	Total	5,589	1,271,089	-	5,748,187	2,294,226
1987	Catch	9,174	1,449,753	225,120	1,208,556	1,376,887
	Escapement	0	44,600	-	1,540,500	620,700
	Total	9,174	1,494,353	-	2,749,056	1,997,587
1988	Catch	11,075	1,473,651	505,533	7,044,824	1,908,507
	Escapement	0	74,100	-	2,839,600	496,400
	Total	11,075	1,547,751	-	9,884,424	2,404,907
1989	Catch	7,065	2,660,800	443,843	7,292,658	994,231
	Escapement	0	78,100	-	1,870,900	310,500
	Total	7,065	2,738,900	-	9,163,558	1,304,731
1990	Catch	16,522	2,386,844	307,218	2,865,856	1,237,826
	Escapement	0	95,300	(75.0-100.0)[a]	1,598,400	354,700
	Total	16,522	2,482,144	367.2-397.2[a]	4,464,256	1,592,526
1991	Catch	7,975	2,319,942	317,129	10,616,756	1,588,795
	Escapement	0	124,900	-	2,946,800	587,600
	Total	7,975	2,444,842	-	13,563,556	2,176,395
1992	Catch	8,026	3,445,914	418,232	9,770,386	1,316,709
	Escapement	0	97,600	-	2,834,400	335,500
	Total	8,026	3,543,514	-	12,604,786	1,652,209
1993	Catch	14,413	3,689,074	220,148	9,928,107	1,048,257
	Escapement	0	100,341	-	2,990,140	397,030
	Total	14,413	3,789,415	-	12,918,247	1,445,287
1994	Catch	10,002	2,107,233	255,905	9,179,853	2,192,079
	Escapement	0	120,255	-	3,071,725	579,100
	Total	10,002	2,227,488	-	12,251,578	2,771,179
1995	Catch	17,078	2,996,353	260,686	16,302,593	1,715,067
	Escapement	0	129,110	-	6,406,300	726,400
	Total	17,078	3,125,463	260,686	22,708,893	2,441,467

[a] Escapements are indexed totals. Figures in parenthesis are rough extrapolated estimates.

Appendix A.12. South Peninsula pink salmon runs, 1962-95.[a]

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagin	Total June Migrants
1962	Catch	922,100	977,300	1,899,400	42,000	24,000	66,000
	Escapement	826,100	772,700	1,598,800			
	Total	1,748,200	1,750,000	3,498,200			
1963	Catch	1,733,900	590,800	2,324,700	14,000	29,000	43,000
	Escapement	886,500	431,400	1,317,900			
	Total	2,620,400	1,022,200	3,642,200			
1964	Catch	1,514,600	1,190,700	2,705,300	18,000	17,000	35,000
	Escapement	902,400	534,000	1,436,400			
	Total	2,417,000	1,724,700	4,141,700			
1965	Catch	2,331,400	474,700	2,806,100	43,000	35,000	78,000
	Escapement	789,900	245,500	1,035,400			
	Total	3,121,300	720,200	3,841,500			
1966	Catch	220,300	68,500	288,800	15,000	2,000	17,000
	Escapement	627,400	92,000	719,400			
	Total	847,700	160,500	1,008,200			
1967	Catch	53,100	4,200	57,300	11,000	10,000	21,000
	Escapement	327,300	118,200	445,500			
	Total	380,400	122,400	502,800			
1968	Catch	863,300	277,800	1,141,100	34,000	112,000	146,000
	Escapement	528,100	295,200	823,300			
	Total	1,391,400	573,000	1,964,400			
1969	Catch	862,800	265,300	1,128,100	68,000	23,000	91,000
	Escapement	1,906,200	568,700	2,474,900			
	Total	2,769,000	834,000	3,603,000			
1970	Catch	1,378,374	252,030	1,630,404	87,717	19,725	107,442
	Escapement	1,007,900	291,000	1,298,900			
	Total	2,386,274	543,030	2,929,304			
1971	Catch	1,211,943	211,585	1,423,528	11,608	7,632	19,240
	Escapement	488,000	214,700	702,700			
	Total	1,699,943	426,285	2,126,228			

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Appendix A.12. (page 2 of 4)

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagin	Total June Migrants
1972	Catch	53,312	6,958	60,270	11,906	6,018	17,924
	Escapement	81,800	29,600	111,400			
	Total	135,112	36,558	171,670			
1973	Catch	36,427	2,073	38,500	11,152	8,278	19,430
	Escapement	85,700	25,100	110,800			
	Total	122,127	27,173	149,300			
1974	Catch	95,529	4,650	100,179	0	0	0
	Escapement	238,600	45,800	284,400			
	Total	334,129	50,450	384,579			
1975	Catch	30,052	25,343	55,395	3,205	2,042	5,247
	Escapement	357,800	194,300	552,100			
	Total	387,852	219,643	607,495			
1976	Catch	2,035,814	306,786	2,342,600	18,259	5,643	23,902
	Escapement	1,084,000	372,400	1,456,400			
	Total	3,119,814	679,186	3,799,000			
1977	Catch	1,163,500	279,745	1,443,245	3,397	2,001	5,398
	Escapement	2,168,500	509,300	2,677,800			
	Total	3,332,000	789,045	4,121,045			
1978	Catch	4,167,852	1,332,325	5,500,177	47,380	42,562	89,942
	Escapement	1,966,300	892,400	2,858,700			
	Total	6,134,152	2,224,725	8,358,877			
1979	Catch	4,839,031	1,570,553	6,409,584	49,000	105,813	154,813
	Escapement	2,125,100	504,400	2,629,500			
	Total	6,964,131	2,074,953	9,039,084			
1980	Catch	3,732,127	2,603,032	6,335,159	1,140,611	385,695	1,526,306
	Escapement	1,410,400	1,231,200	2,641,600			
	Total	5,142,527	3,834,232	8,976,759			
1981	Catch	3,950,473	631,170	4,581,643	325,004	126,248	451,252
	Escapement	1,875,000	431,800	2,306,800			
	Total	5,825,473	1,062,970	6,888,443			

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Appendix A.12. (page 3 of 4)

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagin	Total June Migrants
1982	Catch	4,104,934	911,131	5,016,065	1,032,154	681,214	1,713,368
	Escapement	1,533,200	759,800	2,293,000			
	Total	5,638,134	1,670,931	7,309,065			
1983	Catch	2,245,429	526,315	2,771,744	40,441	15,434	55,875
	Escapement	639,200	212,000	851,200			
	Total	2,884,629	738,315	3,622,944			
1984	Catch	6,532,654	4,136,235	10,668,889	470,688	449,188	919,876
	Escapement	2,526,700	1,824,900	3,811,600			
	Total	8,519,354	5,961,135	14,480,489			
1985	Catch	3,323,535	1,000,350	4,323,885	69,811	36,804	106,615
	Escapement	1,229,300	384,500	1,614,100			
	Total	4,553,135	1,384,850	5,937,985			
1986	Catch	3,066,556	672,867	3,739,423	150,674	141,315	291,989
	Escapement	1,185,500	531,200	1,716,700			
	Total	4,252,056	1,204,067	5,456,123			
1987	Catch	1,143,374	48,138	1,191,512	11,342	5,640	16,982
	Escapement	1,304,400	236,100	1,540,500			
	Total	2,447,774	284,238	2,732,012			
1988	Catch	4,700,486	2,164,114	6,864,600	86,678	93,546	180,224
	Escapement	1,636,500	1,203,100	2,839,600			
	Total	6,336,986	3,367,214	9,704,200			
1989	Catch	5,582,274	1,507,621	7,089,895	154,168	45,067	199,235
	Escapement	1,179,300	691,600	1,870,900			
	Total	6,761,574	2,199,221	8,960,795			
1990	Catch	1,738,743	607,300	2,346,043	444,442	70,798	515,240
	Escapement	1,018,200	580,200	1,598,400			
	Total	2,756,943	1,187,500	3,944,443			
1991	Catch	7,549,853	2,427,570	9,977,423	500,922	118,215	619,137
	Escapement	2,268,400	678,400	2,946,800			
	Total	9,818,253	3,105,970	12,924,223			

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Appendix A.12. (page 4 of 4)

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagin	Total June Migrants
1992	Catch	4,860,628	4,256,851	9,117,479	501,127	140,963	642,090
	Escapement	1,781,000	1,053,400	2,834,400			
	Total	6,641,628	5,310,251	11,951,879			
1993	Catch	7,493,472	2,353,200	9,843,962	37,735	43,401	81,136
	Escapement	2,232,200	757,900	2,990,140			
	Total	9,725,712	3,111,100	12,834,102			
1994	Catch	3,149,763	3,501,426	6,651,189	1,731,741	760,773	2,492,514
	Escapement	1,700,525	1,371,200	3,073,225			
	Total	4,850,288	4,872,626	9,724,414			
1995	Catch	11,362,914	4,761,044	16,123,958	119,094	59,541	178,635
	Escapement	4,404,450	2,001,850	6,406,300			
	Total	15,767,364	6,762,894	22,530,258			

[a] Salmon numbers exclude test fish harvests.

Appendix A.13. South Peninsula chum salmon runs, 1962-95.[a]

Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagin	Total June Migrants
1962	Catch	409,500	155,300	564,800	199,000	61,000	260,000
	Escapement	238,600	160,800	399,400			
	Total	648,100	316,100	964,200			
1963	Catch	278,000	80,300	358,300	67,000	36,000	103,000
	Escapement	263,000	183,700	446,700			
	Total	541,000	264,000	805,000			
1964	Catch	378,800	153,300	532,100	153,000	67,000	220,000
	Escapement	160,800	294,000	454,800			
	Total	539,600	447,300	986,900			
1965	Catch	221,700	150,700	372,400	139,000	45,000	184,000
	Escapement	203,300	24,200	228,000			
	Total	425,000	175,400	600,400			
1966	Catch	221,400	36,000	257,400	220,000	17,000	237,000
	Escapement	354,800	67,200	422,000			
	Total	576,800	103,200	679,400			
1967	Catch	118,700	4,500	123,200	71,000	51,000	122,000
	Escapement	132,800	50,100	182,900			
	Total	251,500	54,600	306,100			
1968	Catch	121,400	47,600	169,000	105,000	51,000	156,000
	Escapement	191,700	87,400	279,100			
	Total	313,100	135,000	448,100			
1969	Catch	95,100	43,300	138,400	238,000	13,000	251,000
	Escapement	96,900	37,700	134,600			
	Total	192,000	81,000	273,000			
1970	Catch	485,444	65,254	550,698	397,003	44,896	441,899
	Escapement	171,700	108,800	280,500			
	Total	657,144	174,054	831,198			
1971	Catch	646,351	209,565	855,916	405,311	103,886	509,197
	Escapement	199,100	144,100	343,200			
	Total	845,451	353,665	1,199,116			

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Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagin	Total June Migrants
1972	Catch	150,784	61,721	212,505	411,019	107,810	518,829
	Escapement	145,000	109,500	254,500			
	Total	295,784	171,221	467,005			
1973	Catch	79,369	12,441	91,810	177,720	22,910	200,630
	Escapement	130,900	81,600	212,500			
	Total	210,269	94,041	304,310			
1974	Catch	56,113	15,317	71,430	0	0	0
	Escapement	169,800	87,500	257,300			
	Total	225,913	102,817	328,730			
1975	Catch	29,419	509	29,928	65,279	35,542	100,821
	Escapement	160,200	33,100	193,300			
	Total	189,619	33,609	223,228			
1976	Catch	106,368	14,914	121,282	336,238	74,109	410,347
	Escapement	225,300	101,900	327,200			
	Total	331,668	116,814	448,482			
1977	Catch	109,132	17,630	126,762	94,215	21,899	116,114
	Escapement	500,900	274,000	774,900			
	Total	610,032	291,630	901,662			
1978	Catch	340,319	83,213	423,532	103,429	18,479	121,908
	Escapement	386,200	214,300	600,500			
	Total	726,519	297,513	1,024,032			
1979	Catch	280,286	98,426	378,712	63,153	40,953	104,106
	Escapement	302,700	108,400	411,100			
	Total	582,986	206,826	789,812			
1980	Catch	674,847	169,141	843,988	458,499	50,366	508,865
	Escapement	241,600	120,800	362,400			
	Total	916,447	289,941	1,206,388			
1981	Catch	961,456	239,998	1,201,454	509,911	54,071	563,982
	Escapement	234,500	146,800	381,300			
	Total	1,195,956	386,798	1,582,754			

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Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagin	Total June Migrants
1982	Catch	915,847	255,661	1,171,508	933,728	164,975	1,098,703
	Escapement	203,000	183,900	386,900			
	Total	1,118,847	439,561	1,558,408			
1983	Catch	596,053	321,145	917,198	616,390	169,277	785,667
	Escapement	328,900	117,600	446,500			
	Total	924,953	438,745	1,363,698			
1984	Catch	827,717	484,630	1,312,347	227,913	109,207	337,120
	Escapement	446,000	253,700	699,700			
	Total	1,273,717	738,330	2,012,047			
1985	Catch	536,748	375,832	912,580	324,825	109,004	433,829
	Escapement	284,700	218,800	503,500			
	Total	821,448	594,632	1,416,080			
1986	Catch	977,635	416,697	1,394,332	252,721	99,148	351,769
	Escapement	239,600	305,000	544,600			
	Total	1,217,235	721,697	1,938,932			
1987	Catch	750,282	179,500	929,782	406,077	37,064	443,141
	Escapement	329,200	291,500	620,700			
	Total	179,482	471,000	1,550,482			
1988	Catch	829,518	552,278	1,381,796	464,765	61,946	526,711
	Escapement	269,100	227,300	496,400			
	Total	198,618	779,578	1,878,196			
1989	Catch	421,254	116,923	538,177	407,635	47,528	455,163
	Escapement	189,200	121,300	310,500			
	Total	610,454	238,223	848,677			
1990	Catch	563,642	152,298	715,940	455,238	63,501	518,739
	Escapement	210,900	143,800	354,700			
	Total	774,542	296,098	1,070,640			
1991	Catch	571,802	226,088	797,890	670,409	102,602	773,011
	Escapement	345,400	242,200	587,600			
	Total	917,202	468,288	1,385,490			

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Year		Not including June Migrants: Southeastern and South Central Districts	Not including June Migrants: Southwestern and Unimak Districts	South Peninsula Totals	June Migrants: South Unimak	June Migrants: Shumagin	Total June Migrants
1992	Catch	592,893	287,173	880,066	323,891	102,312	426,203
	Escapement	194,100	141,400	335,500			
	Total	786,993	428,573	1,215,566			
1993	Catch	331,003	182,576	513,579	381,941	150,306	532,247
	Escapement	172,400	224,630	397,030			
	Total	503,403	407,206	910,609			
1994	Catch	690,666	902,924	1,593,590	374,409	207,756	582,165
	Escapement	211,700	367,400	579,100			
	Total	902,366	1,270,324	2,172,690			
1995	Catch	666,344	511,290	1,177,634	342,307	195,126	537,433
	Escapement	324,750	401,650	726,400			
	Total	991,094	912,940	1,904,034			

[a]Salmon numbers exclude test fish harvests.

Appendix B.1. South Unimak and Shumagin Islands June sockeye and chum salmon harvest, all gear combined,1911-95.[a]

	Sockeye			Chum		
Year	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
1911	58,000	3,000	61,000			
1912	144,000	31,000	175,000			
1913	415,000	0	415,000			
1914	610,000	0	610,000			
1915	251,000	0	251,000			
1916	539,000	0	539,000			
1917	1,322,000	34,000	1,356,000			
1918	733,000	44,000	777,000			
1919	545,000	32,000	577,000			
1920	954,000	60,000	1,014,000			
1921	831,000	0	831,000			
1922	2,775,000	550,000	3,325,000			
1923	1,340,000	343,000	1,683,000			
1924	971,000	237,000	1,208,000			
1925	357,000	374,000	731,000			
1926	1,898,000	491,000	2,389,000			
1927	455,000	185,000	640,000			
			1928-1933 Unavailable			
1934	516,000	1,019,000	1,535,000			
1935	210,000	549,000	759,000			
1936	1,531,000	1,490,000	3,021,000			
1937	803,000	498,000	1,301,000			
1938	164,000	454,000	618,000			
1939	474,000	707,000	1,181,000			
1940	479,000	713,000	1,192,000			
1941	206,000	294,000	496,000			
1942	152,000	412,000	546,000			
1943	428,000	1,356,000	1,784,000			
1944	188,000	264,000	452,000			
1945	218,000	375,000	593,000			
1946	342,000	257,000	599,000			
1947	782,000	229,000	1,011,000			
1948	276,000	126,000	402,000			
1949	84,000	167,000	251,000			
1950	292,000	134,000	426,000			
1951	82,000	35,000	117,000			
1952	191,000	121,000	312,000			
1953	191,000	105,000	296,000			
1954	325,000	49,000	374,000			
1955	315,000	52,000	367,000			
1956	290,000	47,000	337,000			
1957	50,000	44,000	94,000			
1958	104,000	28,000	132,000			
1959	58,000	78,000	136,000			

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Appendix B.1. (page 2 of 2)

Year	Sockeye			Chum		
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
1960	137,000	19,000	156,000	84,000	11,000	95,000
1961	199,000	55,000	254,000	157,000	36,000	193,000
1962	272,000	54,000	326,000	209,000	61,000	270,000
1963	116,000	33,000	116,000	36,000	36,000	117,000
1964	159,000	85,000	244,000	161,000	67,000	228,000
1965	568,000	207,000	775,000	121,000	45,000	166,000
1966	528,000	54,000	582,000	215,000	17,000	232,000
1967	186,000	69,000	255,000	73,000	51,000	124,000
1968	342,000	233,000	575,000	115,000	51,000	166,000
1969	781,000	76,000	857,000	254,000	13,000	267,000
1970	1,510,399	139,735	1,650,134	397,003	44,909	441,912
1971	422,760	39,341	462,101	405,311	103,886	509,197
1972	426,799	74,398	501,197	411,019	107,810	518,829
1973	222,586	22,964	245,550	177,720	22,910	200,630
1974	0	0	0	0	0	0
1975	190,774	49,325	240,099	65,279	35,543	100,822
1976	233,211	72,016	305,227	336,238	74,109	410,347
1977	195,680	45,912	241,592	94,215	21,899	116,114
1978	418,959	67,876	486,835	103,429	18,479	121,908
1979	672,293	179,139	851,432	63,153	40,953	104,106
1980	2,731,148	475,127	3,206,275	458,499	50,366	508,865
1981	1,470,563	350,572	1,821,135	509,911	54,071	563,982
1982	1,668,153	450,548	2,118,701	933,728	161,316	1,095,044
1983	1,547,369	416,494	1,963,863	616,390	169,277	785,667
1984	1,131,365	256,838	1,388,203	227,913	109,207	337,120
1985	1,454,969	336,431	1,791,400	324,825	109,004	433,829
1986	315,370	156,027	471,397	252,721	99,048	351,769
1987	653,536	140,567	794,103	406,077	37,064	443,141
1988	474,457	282,230	756,687	464,765	61,946	526,711
1989	1,347,547	396,958	1,744,505	407,635	47,528	455,163
1990	1,090,710	255,585	1,346,295	455,238	63,501	518,739
1991	1,215,658	333,272	1,548,930	670,103	102,602	772,705
1992	2,046,022	411,834	2,457,856	323,891	102,312	426,203
1993	2,366,573	607,171	2,973,744	381,941	150,306	532,247
1994	1,001,250	460,013	1,461,263	374,409	207,756	582,165
1995	1,451,490	653,831	2,105,321	342,307	195,126	537,433
1976-85 Average	1,152,371	265,095	1,417,466	366,830	80,868	447,698
1986-95 Average	1,196,261	369,749	1,566,010	407,909	106,719	514,628

[a] Salmon numbers exclude test fish harvests.

Appendix B.2. History of regulations for the South Unimak and Shumagin Islands June fisheries, 1962-1995.

Year	South Unimak	Shumagin Islands
1962-66	5 days per week	5 days per week
1967-70	7 days per week	7 days per week
1971-72	6:00 A.M. Monday - 6:00 A.M. Saturday	7 days per week
1973	*Four 13 hour fishing periods per week	*Four 13 hour fishing periods per week.
	* Both fisheries were closed by emergency order during June 25-28 due to indications of the Bristol Bay run being below escapement requirements.	
1974	No fishery	No fishery
1975-83	**6.8% of predicted Bristol Bay catch	1.5% of predicted Bristol Bay catch
1984-89	No more than 96 hours per 7 day period and no more than 72 hours of consecutive fishing time in each fishery (windows).	
1986	**6.8% allocation minus June 26-30 segment Windows No fishing before June 11	1.5% allocation minus June 26-30 segment Windows No fishing before June 11
	A 400,000 chum salmon ceiling placed on both fisheries combined.	
1987	**Same as during 1984-85 for both fisheries.	
1988-89	**6.8 of predicted Bristol Bay catch Windows	1.5% of predicted Bristol Bay catch Windows
	A 500,000 chum salmon ceiling placed on both fisheries combined.	
	**Each sockeye allocation is broken down into time period guideline harvest levels.	

-Continued-

Dates	South Unimak	Shumagin Islands
June 1 - 11	5%	9%
June 12 - 18	29%	28%
June 19 - 25	51%	41%
June 26 - 30	15%	22%
	100%	100%

1990-91 The chum ceiling was increased from 500,000 to 600,000.

The "Window Regulations" implemented in 1984 to limit the amount of fishing time that could be allowed were deleted.

The season was delayed until June 13 and the time period sockeye allocations for both fisheries were changed as follow:

June 13-18	35%
June 19-25	45%
June 26-30	20%

The gear depth for seines was limited to 375 meshes of which mesh size may not exceed 3-1/2 inches except for the first 25 meshes above the lead line which may not exceed 7 inches.

The gear depth on gillnets along the South Peninsula was limited to no more than 90 meshes.

Seine leads may not exceed 150 fathoms for the entire Alaska Peninsula.

1992-93 The chum ceiling was increased from 600,000 to 700,000 fish. The other regulations were the same as in effect for 1990 and 1991.

1994 Sockeye time period allocations eliminated. ADF&G given flexibility to open fishery prior to June 13 if sockeye to chum ratios are favorable.

-Continued-

Dates	South Unimak	Shumagin Islands
1995	The amount fishing time allowed for seine and drift gillnet gear after June 24 is limited if the sockeye to chum salmon ratio is two to one or less. The Board of Fisheries stated it's intent that the maximum harvest or less of 700,000 chum salmon supersedes attempts to reach the sockeye guideline harvest levels. The fisheries could not be extended into July regardless of weather during late June. Fishery cannot begin prior to June 11. Removed mesh size requirements for gillnets.	

Appendix B.3. South Unimak and Shumagin Islands June fisheries salmon harvest by species, all gear combined, 1970-95.[a]

Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	202	2,926	1,016	1,650,134	48	107,445	441,912	2,200,555
1971	166	1,986	828	462,101	1	19,240	509,197	991,367
1972	185	2,097	642	501,197	20	17,924	518,829	1,038,612
1973	142	1,043	247	245,550	28	19,430	200,630	465,885
1974	0	0	0	0	0	0	0	0
1975	108	510	117	240,099	1	5,247	100,822	346,286
1976	147	1,393	2,134	305,227	3	23,902	410,347	741,613
1977	131	821	521	241,592	0	5,398	116,114	363,625
1978	159	1,570	536	486,835	3	89,942	121,908	699,224
1979	196	1,697	1,053	851,432	290	154,813	104,106	1,111,694
1980	225	2,044	3,193	3,206,275	853	1,526,306	508,865	5,245,492
1981	243	2,401	5,672	1,821,135	320	451,252	563,982	2,842,361
1982	251	2,612	7,131	2,118,701	1,241	1,718,825	1,095,044	4,940,942
1983	282	1,729	13,463	1,963,863	496	55,875	785,667	2,819,364
1984	280	1,117	3,854	1,388,203	14	919,876	337,120	2,649,067
1985	305	2,117	5,777	1,791,400	2,468	106,615	433,829	2,340,089
1986	298	1,486	1,895	471,397	2	291,989	351,769	1,117,052
1987	290	2,027	5,163	794,103	380	16,982	443,141	1,259,769
1988	301	1,777	4,064	756,687	255	180,224	526,711	1,467,941
1989	305	1,350	2,758	1,744,505	0	199,235	455,163	2,401,661
1990	321	2,731	10,333	1,346,295	1	515,240	518,739	2,390,608
1991	334	2,025	4,473	1,548,930	12	619,137	772,705	2,945,257
1992	322	1,925	3,760	2,457,856	4	642,090	426,203	3,529,913
1993	328	2,262	9,466	2,973,744	1,233	81,136	532,247	3,597,826
1994	325	2,751	7,590	1,461,263	1,579	2,492,514	582,165	4,545,111
1995	332	3,635	14,747	2,105,321	6,042	178,635	537,433	2,842,178
1976-95 Average	269	1,974	5,379	1,491,738	760	513,499	481,163	2,492,539
1986-95 Average	316	2,197	6,425	1,566,010	951	521,718	514,628	2,609,732

[a] Salmon numbers exclude test fish harvests.

Appendix B.4. South Unimak June salmon harvest by species, all gear combined, 1970-95[a].

Year	Permit	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	176	2,627	868	1,510,399	46	87,717	397,003	1,996,033
1971	147	1,685	549	422,760	0	11,608	405,311	840,228
1972	166	1,770	400	426,799	4	11,906	411,019	850,128
1973	133	923	145	222,586	11	11,152	177,720	411,614
1974	0	0	0	0	0	0	0	0
1975	98	445	101	190,774	1	3,205	65,279	259,360
1976	133	1,192	1,829	233,211	3	18,259	336,238	589,540
1977	120	744	393	195,680	0	3,397	94,215	293,685
1978	141	1,338	269	418,959	3	47,380	103,429	570,040
1979	158	1,305	578	672,293	38	49,000	63,153	785,062
1980	188	1,666	2,927	2,731,148	853	1,140,611	458,499	4,334,038
1981	226	2,097	4,455	1,470,563	83	325,004	509,911	2,310,016
1982	225	2,313	5,577	1,668,153	1,241	1,032,154	933,728	3,640,853
1983	258	1,418	8,186	1,547,369	493	40,441	616,390	2,212,879
1984	226	814	2,024	1,131,365	0	470,688	227,913	1,831,990
1985	255	1,593	4,101	1,454,969	2	69,811	324,825	1,853,708
1986	236	1,093	1,363	315,370	1	150,674	252,721	720,129
1987	229	1,746	4,017	653,536	380	11,342	406,077	1,075,352
1988	211	1,144	2,125	474,457	11	86,678	464,765	1,028,036
1989	266	1,035	2,263	1,347,547	0	154,168	407,635	1,911,613
1990	271	2,146	8,465	1,090,710	1	444,442	455,238	1,998,856
1991[b]	267	1,628	3,066	1,215,658	5	500,922	670,103	2,389,754
1992	273	1,597	2,373	2,046,022	3	501,127	323,891	2,873,416
1993	245	1,681	4,587	2,366,573	506	37,735	381,941	2,791,342
1994	265	1,927	4,468	1,001,250	1,271	1,731,741	374,409	3,113,139
1995	241	2,575	7,850	1,451,490	5,102	119,094	342,307	1,925,843
1976-95 Average	222	1,553	3,546	1,174,316	500	346,733	387,369	1,912,465
1986-95 Average	250	1,657	4,058	1,196,261	728	373,792	407,909	1,982,748

[a] Salmon numbers exclude test fish harvests.

[b] A South Unimak test fishery resulted in the additonal harvest of 377 sockeye and 306 chum salmon.

Appendix B.5. Shumagin Islands June salmon harvest by species, all gear combined, 1970-95[a].

Year	Permit	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	40	299	148	139,735	2	19,728	44,909	204,522
1971	31	301	279	39,341	1	7,632	103,886	151,139
1972	32	327	242	74,398	16	6,018	107,810	188,484
1973	21	120	102	22,964	17	8,278	22,910	54,271
1974	0	0	0	0	0	0	0	0
1975	20	65	16	49,325	0	2,042	35,543	86,926
1976	30	201	305	72,016	0	5,643	74,109	152,073
1977	25	77	128	45,912	0	2,001	21,899	69,940
1978	30	232	267	67,876	0	42,562	18,479	129,184
1979	47	392	475	179,139	252	105,813	40,953	326,632
1980	54	378	266	475,127	0	385,695	50,366	911,454
1981	43	304	1,217	350,572	237	126,248	54,071	532,345
1982	48	299	1,554	450,548	0	686,671	161,316	1,300,089
1983	69	311	5,277	416,494	3	15,434	169,277	606,485
1984	99	303	1,830	256,838	14	449,188	109,207	817,077
1985	110	524	1,676	336,431	2,466	36,804	109,004	486,381
1986	72	393	532	156,027	1	141,315	99,048	396,923
1987	97	281	1,146	140,567	0	5,640	37,064	184,417
1988	97	633	1,939	282,230	244	93,546	61,946	439,905
1989	104	315	495	396,958	0	45,067	47,528	490,048
1990	95	585	1,868	255,585	0	70,798	63,501	391,752
1991	101	397	1,407	333,272	7	118,215	102,602	555,503
1992	103	328	1,387	411,834	1	140,963	102,312	656,497
1993	106	581	4,879	607,171	727	43,401	150,306	806,484
1994	106	824	3,122	460,013	308	760,773	207,756	1,431,972
1995	102	1,060	6,897	653,831	940	59,541	195,126	916,335
1976-95 Average	77	421	1,833	317,422	260	166,766	93,794	580,075
1986-95 Average	98	540	2,367	369,749	223	147,926	106,719	626,984

[a] Salmon numbers exclude test fish harvests.

Appendix B.6. South Unimak and Shumagin Islands June fisheries, sockeye allocations vs. actual harvest and allocations if Bristol Bay runs were perfectly forecasted, 1975-95.

Year	S. Unimak-Shumagin Islands Guideline Harvest Level (GHL)	Actual S. Unimak-Shumagin Is. Harvest[a]	Actual Bristol Bay Harvest	Combined Bristol Bay & S. Unimak-Shumagin Harvest	S. Unimak-Shumagin GHL % of Combined Bristol Bay & S. Unimak-Shumagin Harvest[b]	S. Unimak Shumagin Is. Harvest % of Combined Bristol Bay-S. Unimak Harvest[b]	S. Unimak Shumagin Is. GHL if Actual Bristol Bay Harvest Was Forecasted[b]
1975	215,000	240,099	4,898,814	5,138,913	4.18	4.67	427,000
1976	425,000	305,227	5,619,292	5,924,519	7.17	5.15	492,000
1977	237,000	241,592	4,877,880	5,119,472	4.63	4.72	425,000
1978	522,000	486,835	9,928,139	10,414,974	5.01	4.67	864,000
1979	1,100,000	851,432	21,428,606	22,280,038	4.94	3.82	1,849,000
1980[c]	3,068,000	3,206,275	23,761,746	26,968,021	11.38	11.89	2,238,000
1981	1,760,000	1,821,135	25,603,081	27,424,216	6.42	6.64	2,276,000
1982	2,258,000	2,118,701	15,104,391	17,223,092	13.11	12.3	1,430,000
1983	1,793,000	1,963,863	37,372,031	39,335,894	4.56	4.99	3,265,000
1984	1,356,000	1,388,203	24,710,306	26,098,509	5.2	5.32	2,166,000
1985	1,685,000	1,791,400	23,702,883	25,494,283	6.61	7.03	2,116,000
1986[d]	1,107,000	471,397	15,776,056	16,247,453	6.81	2.9	1,349,000
1987	775,000	794,103	16,068,775	16,862,878	4.6	4.71	1,400,000
1988[d]	1,542,000	756,687	13,989,757	14,746,444	10.46	5.13	1,224,000
1989	1,463,000	1,744,505	28,735,306	30,479,811	4.8	5.72	2,530,000
1990	1,327,000	1,346,295	33,523,127	34,869,422	3.81	3.86	2,894,000
1991[d]	1,920,000	1,548,930	26,233,469	27,782,399	6.91	5.58	2,306,000
1992[e]	2,391,000	2,457,856	31,967,121	34,424,977	6.95	7.14	2,857,000
1993[e]	2,899,000	2,973,744	40,842,635	43,816,379	6.62	6.79	3,637,000
1994[e]	3,586,000	1,461,263	35,265,000	36,726,000	9.76	3.98	3,048,000
1995[e]	3,646,000	2,105,321	44,427,000	46,532,321	7.84	4.52	3,862,000

[a] Salmon numbers exclude test fish harvests.

[b] These values were calculated by adding the actual Bristol Bay sockeye harvest and the South Unimak and Shumagin Islands June sockeye harvests together and determining or applying the appropriate percentages. Calculations assume all sockeye salmon caught at South Unimak and the Shumagin Islands are destined for Bristol Bay.

[c] The 1980 Bristol Bay sockeye catch would have been much larger had it not been for a lengthy strike.

[d] Sockeye allocations were not reached largely, if not totally, due to a chum cap.

[e] Bristol Bay harvest numbers are preliminary.

Appendix B.7. South Unimak June fishery, sockeye allocations vs. actual harvet and allocations if Bristol Bay runs were perfectly forecasted, 1975-95.

Year	S. Unimak Guideline Harvest Level (GHL)	Actual S. Unimak Harvest	Actual Bristol Bay Harvest	Combined Bristol Bay & S. Unimak-Shumagin Harvest	S. Unimak GHL % of Combined Bristol Bay & S. Unimak-Shumagin Harvest[a]	S. Unimak Harvest % of Combined Bristol Bay-S. Unimak Harvest[b]	S. Unimak GHL if Actual Bristol Bay Harvest Was Forecasted[b]
1975	165,000	190,774	4,898,814	5,138,913	3.21	3.71	349,000
1976	350,000	233,211	5,619,292	5,924,519	5.91	3.94	403,000
1977	195,000	195,680	4,877,880	5,119,472	3.81	3.82	348,000
1978	428,000	418,959	9,928,139	10,414,974	4.11	4.02	708,000
1979	900,000	672,293	21,428,606	22,280,038	4.04	3.02	1,515,000
1980[c]	2,513,000	2,731,148	23,761,746	26,968,021	9.32	10.13	1,834,000
1981	1,442,000	1,470,563	25,603,081	27,424,216	5.26	5.36	1,865,000
1982	1,850,000	1,668,153	15,104,391	17,223,092	10.74	9.69	1,171,000
1983	1,469,000	1,547,369	37,372,031	39,335,894	3.73	3.93	2,675,000
1984	1,111,000	1,131,365	24,710,306	26,098,509	4.26	4.33	1,775,000
1985	1,380,000	1,454,969	23,702,883	25,494,283	5.41	5.71	1,734,000
1986[d]	907,000	315,370	15,776,056	16,247,453	5.58	1.94	1,105,000
1987	635,000	653,536	16,068,775	16,862,878	3.77	3.88	1,147,000
1988[d]	1,263,000	474,457	13,989,757	14,746,444	8.56	3.22	1,003,000
1989	1,199,000	1,347,547	28,735,306	30,479,811	3.93	4.42	2,073,000
1990	1,087,000	1,090,710	33,523,127	34,869,422	3.12	3.13	2,371,000
1991[d]	1,573,000	1,215,658	26,233,469	27,782,399	5.66	4.38	1,889,000
1992[e]	1,959,000	2,046,022	31,967,121	34,424,977	5.69	5.94	2,341,000
1993[e]	2,375,000	2,366,573	40,842,635	43,816,379	5.42	5.4	2,980,000
1994[e]	2,938,000	1,001,250	35,265,000	36,726,263	8.01	2.73	2,497,000
1995	2,987,000	1,451,490	44,427,000	46,532,321	6.42	3.12	3,164,000

[a] Salmon numbers exclude test fish harvests.

[b] These values were calculated by adding the actual Bristol Bay sockeye harvest and the South Unimak-Shumagin Islands June sockeye harvest together and determining or applying the appropriate percentages. Calculations assume all sockeye salmon caught at South Unimak and the Shumagin Islands are destined for Bristol Bay.

[c] The 1980 Bristol Bay sockeye catch would have been much larger had it not been for a lengthy strike.

[d] Sockeye allocations were not reached largely, if not totally, due to a chum cap.

[e] Bristol Bay harvest numbers are preliminary.

Appendix B.8. Shumagin Islands June fishery, sockeye allocations vs. actual harvest and allocations if Bristol Bay runs were perfectly forecasted, 1975-95.

Year	Shumagin Islands Guideline Harvest Level (GHL)	Actual Shumagin Is. Harvest	Actual Bristol Bay Harvest	Combined Bristol Bay & S. Unimak-Shumagin Harvest	Shumagin GHL % of Combined Bristol Bay & S. Unimak-Shumagin Harvest[a]	Shumagin Is. Harvest % of Combined Bristol Bay-S. Unimak Harvest[b]	Shumagin Is. GHL if Actual Bristol Bay Harvest Was Forecasted[b]
1975	50,000	49,325	4,898,814	5,138,913	0.97	0.96	77,000
1976	75,000	72,016	5,619,292	5,924,519	1.27	1.22	89,000
1977	42,000	45,912	4,877,880	5,119,472	0.82	0.9	77,000
1978	94,000	67,876	9,928,139	10,414,974	0.9	0.65	156,000
1979	200,000	179,139	21,428,606	22,280,038	0.9	0.8	334,000
1980[c]	555,000	475,127	23,761,746	26,968,021	2.06	1.76	405,000
1981	318,000	350,572	25,603,081	27,424,216	1.16	1.28	411,000
1982	408,000	450,548	15,104,391	17,223,092	2.37	2.62	258,000
1983	324,000	416,494	37,372,031	39,335,894	0.82	1.06	590,000
1984	245,000	256,838	24,710,306	26,098,509	0.94	0.98	391,000
1985	305,000	336,431	23,702,883	25,494,283	1.2	1.32	382,000
1986[d]	200,000	156,027	15,776,056	16,247,453	1.23	0.96	244,000
1987	140,000	140,567	16,068,775	16,862,878	0.83	0.83	253,000
1988[d]	279,000	282,230	13,989,757	14,746,444	1.89	1.91	221,000
1989	264,000	396,958	28,735,306	30,479,811	0.87	1.3	457,000
1990	240,000	255,585	33,523,127	34,869,422	0.69	0.73	523,000
1991[d]	347,000	333,272	26,233,469	27,782,776	1.25	1.2	417,000
1992	432,000	411,834	31,967,121	34,424,977	1.25	1.2	516,000
1993	524,000	607,171	40,842,635	43,816,379	1.2	1.39	657,000
1994	648,000	460,013	35,265,000	36,726,263	1.76	1.25	551,000
1995[e]	659,000	653,831	44,427,000	46,532,321	1.42	1.41	698,000

[a] Salmon numbers exclude test fish harvests.

[b] These values were calculated by adding the actual Bristol Bay sockeye harvest and the South Unimak-Shumagin Islands June sockeye harvest together and determining or applying the appropriate percentages. Calculations assume all sockeye salmon caught at South Unimak and the Shumagin Islands are destined for Bristol Bay.

[c] The 1980 Bristol Bay sockeye catch would have been much larger had it not been for a lengthy strike.

[d] Sockeye allocations were not reached largely, if not totally, due to a chum cap.

[e] Bristol Bay harvest numbers are preliminary.

Appendix B.9. South Unimak and Shumagin Islands June fisheries, number of fishing days and hours by year, 1976-95.

	South Unimak		Shumagin Islands	
Year	Days	Hours	Days	Hours
1976	21	504	15	360
1977	11	264	21	504
1978	23	552	23	552
1979	33	792	28	672
1980	26	624	26	624
1981	24	576	20	480
1982	30	720	22	528
1983	11	264	10	228
1984	5	98	6	122
1985	9	144	9	142
1986	8	148	8	148
1987	12	226	5	76
1988	8	110	9	151
1989	5	84	4	72
1990	13	267	9	198
1991	8	158	5	88
1992	8	139	5	42.5
1993	10	176	8	140
1994	14	262	13	249
1995	18	362	17	355
Average 1986-95	10.4	193.2	8.3	152.0

Appendix B.10 Shumagin Islands Section June test fishery salmon harvest, 1995.

Date	Number of Sets	Number of Adult Salmon					Total	Sockeye to Chum ratio
		Chinook	Sockeye	Coho	Pink	Chum		
5-Jun	5	36	730	0	46	1,142	1,954	0.64 to 1.0
6-Jun	5	57	857	0	129	1,061	2,104	0.81 to 1.0
7-Jun	5	41	1,705	0	144	2,128	4,018	0.80 to 1.0
8-Jun	5	27	996	0	72	1,089	2,184	0.91 to 1.0
9-Jun	5	21	626	0	14	189	850	3.31 to 1.0
10-Jun	5	17	1,104	0	42	775	1,938	1.42 to 1.0
11-Jun	5	16	1,755	0	74	627	2,472	2.80 to 1.0
12-Jun	5	30	1,980	0	97	434	2,541	4.56 to 1.0
Total	40	245	9,753	0	618	7,445	18,061	1.31 to 1.0

Note: Test fishing is standardized to purse seine gear, conducting 20 minute sets at Popof Head, Middle Set, and Red Bluff located on Popof Island, additional sets are made if time allows.

Appendix B.11. South Unimak June test fishery salmon harvest, 1995.

Set	Location		Chinook	Sockeye	Coho	Pink	Chum	Ratio Sockeye to 1 chum
DATE: JUNE 8 - Day One. (Sets numbered sequentially from June 8th).								
1	C. Lutke		9	234	0	2	61	
2	C. Lutke		6	236	0	4	102	
3	C. Lutke		1	4	0	0	0	
Total		659	16	474	0	6	163	2.91
Average Per Set			5.3	158.0	0.0	2.0	54.3	
Catch Composition by %			2.4	71.9	0.0	0.9	24.7	
Fishing efforts curtailed by gale force NE winds.								
DATE: JUNE 9 - Day Two.								
4	C. Lutke		2	271	0	3	34	7.97
5	C. Lutke		0	306	0	3	53	5.77
6	C. Lutke		8	1,099	0	5	303	3.63
7	C. Lutke		5	804	0	4	610	1.32
8	C. Lutke		2	448	0	10	116	3.86
9	C. Lutke		17	172	1	0	217	0.79
10	C. Lutke		0	324	0	10	62	5.23
Total		4,889	34	3,424	1	35	1,395	2.45
Average Per Set			4.9	489.1	0.1	5.0	199.3	
Catch Composition by %			0.7	70.0	0.0	0.7	28.5	

-Continued-

Set	Location		Chinook	Sockeye	Coho	Pink	Chum	Ratio Sockeye to 1 chum
DATE: JUNE 10 - Day 3.								
11*	C. Lutke		8	0	0	0	10	0.00
12	C. Lutke		1	379	0	9	90	4.21
13	C. Lutke		0	47	0	4	13	3.62
14	C. Lutke		2	56	0	3	71	0.79
15	C. Lutke		8	152	0	6	381	0.40
16	C. Lutke		12	197	0	0	19	10.37
17	C. Lutke		2	116	0	6	252	0.46
Total		1,844	33	947	0	28	836	1.13
Average Per Set			4.7	135.3	0.0	4.0	119.4	
Catch Composition by %			1.8	51.4	0.0	1.5	45.3	
11* NE Winds to 40 Knots								
DATE: JUNE 11 - Day 4. (Sets numbered sequentially from June 8th).								
18	C. Lutke		5	566	0	5	86	6.58
19	C. Lutke		4	196	0	3	13	15.08
20	C. Lutke		8	511	0	5	50	10.22
21	C. Lutke		0	680	0	2	172	3.95
22	C. Lutke		1	325	0	13	126	2.58
23	C. Lutke		0	72	0	6	4	18.00
24	C. Lutke		0	44	0	2	96	0.46
Total		2,995	18	2,394	0	36	547	4.38
Average Per Set			2.6	342.0	0.0	5.1	78.1	
Catch Composition by %			0.6	79.9	0.0	1.2	18.3	

-Continued-

Set	Location	Chinook	Sockeye	Coho	Pink	Chum	Ratio Sockeye to 1 chum
1995 South Unimak Test Fish Summary.							
June 8	Cape Lutke	16	474	0	6	163	2.91
June 9	Cape Lutke	34	3,424	1	35	1,395	2.45
June 10	Cape Lutke	33	947	0	28	836	1.13
June 11	Cape Lutke	18	2,394	0	36	547	4.38
		101	7,239	1	105	2,941	2.46

Appendix B.12. South Unimak June salmon harvest, all gear combined, by day, 1995[a].

Catch Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
13-Jun	186	193	559	131,407	2	3,826	43,419	179,213
14-Jun	36	38	131	22,891	0	1,086	5,169	29,277
15-Jun	196	216	1,217	194,844	196	5,910	32,783	234,950
16-Jun	171	186	457	74,891	18	1,981	14,103	91,450
17-Jun	186	199	345	47,703	52	1,651	10,562	60,313
18-Jun	127	128	74	8,304	2	216	2,665	11,261
19-Jun	79	80	105	13,934	13	231	2,453	16,736
20-Jun	163	177	422	100,356	68	5,117	14,961	120,924
21-Jun	193	218	702	144,550	96	11,154	28,746	185,248
22-Jun	190	210	785	157,982	252	15,032	44,482	218,533
23-Jun	190	214	853	158,823	495	19,543	37,005	216,719
24-Jun	209	229	645	126,418	538	13,453	33,890	174,944
25-Jun	163	196	386	84,466	599	8,166	18,374	111,991
26-Jun	136	148	552	73,182	539	11,710	20,526	106,509
27-Jun	39	42	221	39,826	288	6,801	13,499	60,635
28-Jun	39	40	172	27,724	863	5,438	8,001	42,198
29-Jun	35	38	148	23,449	320	4,692	6,417	35,026
30-Jun	21	23	76	20,740	761	3,087	5,252	29,916
Total	241	2,575	7,850	1,451,490	5,102	119,094	342,307	1,925,843

[a] Salmon numbers exclude test fish harvests.

Appendix B.13. South Unimak June purse seine salmon harvest by day,1995[a].

Catch Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
13-Jun	44	45	286	53,033	0	3,732	18,817	75,868
14-Jun	11	11	66	11,080	0	1,084	1,580	13,810
15-Jun	51	53	752	78,119	2	5,801	12,755	97,429
16-Jun	45	46	231	21,784	2	1,839	4,285	28,141
17-Jun	39	39	178	13,326	7	1,485	2,143	17,139
18-Jun	17	17	48	1,780	0	208	615	2,651
19-Jun	15	15	38	949	1	100	127	1,215
20-Jun	29	29	191	26,188	2	4,691	4,248	35,320
21-Jun	45	46	451	62,870	1	10,477	16,437	90,236
22-Jun	44	45	406	69,675	14	14,527	22,744	107,366
23-Jun	46	47	506	79,563	99	18,702	16,474	115,344
24-Jun	52	53	354	53,178	45	12,472	13,755	79,804
25-Jun	42	42	205	29,362	66	7,476	5,662	42,771
26-Jun	34	35	401	38,946	102	11,216	13,503	64,168
27-Jun	19	19	192	31,090	153	6,744	12,618	50,797
28-Jun	21	21	153	20,684	684	5,338	6,764	33,623
29-Jun	19	19	119	15,500	197	4,615	5,274	25,705
30-Jun	7	7	34	4,326	123	2,068	3,398	9,949
Total	69	589	4,611	611,453	1,498	112,575	161,199	891,336

[a] Salmon numbers exclude test fish harvests.

Appendix B.15. South Unimak June set gillnet salmon harvest by day, 1995[a].

Catch Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
13-Jun	10	13	71	5,039	1	5	2,694	7,810
14-Jun [b]	*	*	*	*	*	*	*	*
15-Jun	14	18	65	9,273	1	6	830	10,175
16-Jun	14	17	24	2,724	4	25	348	3,125
17-Jun	8	8	6	579	1	3	23	612
18-Jun	7	7	0	264	0	0	14	278
19-Jun [b]	*	*	*	*	*	*	*	*
20-Jun	9	10	22	2,613	4	8	242	2,889
21-Jun	13	16	25	4,894	14	31	448	5,412
22-Jun	10	11	29	3,291	37	18	598	3,973
23-Jun	8	10	38	5,489	65	82	1,479	7,153
24-Jun	15	17	47	4,637	107	41	994	5,826
25-Jun	9	10	11	1,370	74	21	112	1,588
26-Jun	8	11	20	2,430	49	77	112	2,688
27-Jun	3	3	4	130	5	2	21	162
28-Jun	4	4	1	783	15	38	89	926
29-Jun	3	4	6	1,327	48	39	95	1,515
30-Jun	3	3	5	1,834	124	36	178	2,177
Total	21	164	377	47,097	549	432	8,393	56,848

[a] Salmon numbers exclude test fish harvests.

[b] Confidentiality requirements prohibit reporting harvest by day.

Appendix B.16. South Unimak and Shumagin Islands sockeye and chum salmon daily catches, all gear combined, June 1995[a].

	South Unimak		Shumagin Islands		Combined	
	Sockeye	Chum	Sockeye	Chum	Sockeye	Chum
June 1-12			Closed to Commercial Salmon Fishing			
13	131,407	43,419	30,451	9,994	161,858	53,413
14	22,891	5,169	61,324	30,728	84,215	35,897
15	194,844	32,783	62,700	22,839	257,544	55,622
16	74,891	14,103	51,613	12,988	126,504	27,091
17	47,703	10,562	50,372	13,050	98,075	23,612
18	8,304	2,665	17,096	3,811	25,400	6,476
19	13,934	2,453	13,827	1,281	27,761	3,734
20	100,356	14,961	38,201	8,318	138,557	23,279
21	144,550	28,746	54,190	12,997	198,740	41,743
22	157,982	44,482	37,368	7,891	195,350	52,373
23	158,823	37,005	41,590	7,281	200,413	44,286
24	126,418	33,890	41,279	8,042	167,697	41,932
25	84,466	18,374	60,530	11,569	144,996	29,943
26	73,182	20,526	49,323	21,745	122,505	42,271
27	39,826	13,499	13,341	4,947	53,167	18,446
28	27,724	8,001	4,151	2,133	31,875	10,134
29	23,449	6,417	26,475	15,512	49,924	21,929
30	20,740	5,252	- - CLOSED - -		20,740	5,252
Total	1,451,490	342,307	653,831	195,126	2,105,321	537,433

[a] Salmon numbers exclude test fish harvests.

Appendix B.17. Shumagin Islands Section salmon harvest, all gear combined, by day, 1995[a].

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
5-Jun [a]	1	1	24	569	0	46	1,141	1,780
6-Jun [a]	1	1	53	855	0	129	1,060	2,097
7-Jun [a]	1	1	30	1,675	0	142	2,128	3,975
8-Jun [a]	1	1	23	996	0	72	1,088	2,179
9-Jun [a]	1	1	14	626	0	14	189	843
10-Jun [a]	1	1	0	1,103	0	42	775	1,920
11-Jun [a]	1	1	0	1,754	0	74	627	2,455
12-Jun [a]	1	1	28	1,847	0	97	405	2,377
13-Jun	59	66	775	30,451	0	1,060	9,994	42,280
14-Jun	51	57	1,346	61,324	0	1,645	30,728	95,043
15-Jun	46	50	719	62,700	1	3,037	22,839	89,296
16-Jun	46	51	658	51,613	1	2,547	12,988	67,807
17-Jun	64	75	510	50,372	0	2,384	13,050	66,316
18-Jun	51	53	185	17,096	4	1,062	3,811	22,158
19-Jun	25	30	14	13,827	2	591	1,281	15,715
20-Jun	72	82	137	38,201	19	1,969	8,318	48,644
21-Jun	86	98	364	54,190	24	4,170	12,997	71,745
22-Jun	79	94	369	37,368	26	3,253	7,891	48,907
23-Jun	69	81	346	41,590	28	3,140	7,281	52,385
24-Jun	69	85	312	41,279	27	3,790	8,042	53,450
25-Jun	50	57	462	60,530	76	9,625	11,569	82,262
26-Jun	45	50	372	49,323	80	8,489	21,745	80,009
27-Jun	20	25	52	13,341	11	1,894	4,947	20,245
28-Jun	17	17	26	4,151	120	1,524	2,133	7,954
29-Jun	84	89	250	26,475	521	9,361	15,512	52,119
7-Jul	5	7	3	232	1	31	274	541
12-Jul [a]	1	1	20	425	176	513	555	1,689
13-Jul [a]	1	1	11	666	808	2,037	240	3,762
14-Jul [a]	6	6	27	884	274	4,382	6,042	11,609
15-Jul [a]	9	9	10	366	470	3,713	3,425	7,984
16-Jul [a]	1	1	21	748	946	1,830	320	3,865
17-Jul [a]	1	1	32	951	1,076	2,394	638	5,091
19-Jul [b]	*	*	*	*	*	*	*	*
20-Jul	68	79	124	37,276	13,161	144,403	30,565	225,529
21-Jul	72	91	147	40,181	15,845	183,770	38,484	278,427
22-Jul	90	106	581	53,894	17,723	223,457	54,599	350,254
25-Jul	59	67	199	12,195	12,301	130,153	13,736	168,584
26-Jul	37	53	106	13,107	8,680	124,610	9,527	156,030
27-Jul	42	52	113	11,615	7,571	123,268	11,578	154,145
28-Jul	61	73	163	17,330	13,077	248,490	20,417	299,477
1-Aug	39	49	59	15,060	6,124	333,830	23,095	378,168
2-Aug	50	68	63	23,759	8,623	423,313	27,403	483,161
5-Aug	44	60	29	7,363	5,929	331,695	8,157	353,173

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Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
6-Aug	48	69	25	12,854	8,254	501,843	17,874	540,850
9-Aug	28	30	18	2,433	5,748	195,388	4,989	208,576
11-Aug	14	14	3	4,106	6,272	174,632	5,523	190,536
12-Aug	19	20	3	2,771	4,424	134,007	4,661	145,866
14-Aug	44	54	5	3,247	4,149	405,613	4,147	417,161
15-Aug	11	14	5	1,107	2,238	91,071	2,005	96,426
16-Aug	33	50	2	2,292	1,492	339,998	1,573	345,357
17-Aug	17	17	2	2,059	3,091	150,202	1,964	157,318
18-Aug	17	17	2	684	811	130,764	1,943	134,204
19-Aug	61	74	2	2,428	1,831	484,855	2,018	491,134
23-Aug [b]	*	*	*	*	*	*	*	*
27-Aug [b]	*	*	*	*	*	*	*	*
1-Sep	12	17	0	2,639	1,055	1,189	509	5,392
4-Sep	3	3	0	1,011	105	8	68	1,192
5-Sep	8	12	0	3,755	567	40	208	4,570
6-Sep	6	10	0	2,663	846	52	163	3,724
7-Sep	8	15	0	3,005	910	14	231	4,160
11-Sep	7	10	0	2,018	830	0	151	2,999
12-Sep	5	10	0	982	221	0	70	1,273
13-Sep	10	17	0	1,553	347	0	106	2,006
14-Sep	8	11	1	1,203	456	0	108	1,768
15-Sep	4	7	0	479	80	0	26	585
18-Sep [b]	*	*	*	*	*	*	*	*
19-Sep [b]	*	*	*	*	*	*	*	*
20-Sep [b]	*	*	*	*	*	*	*	*
21-Sep [b]	*	*	*	*	*	*	*	*
22-Sep	4	4	0	855	201	0	4	1,060
25-Sep [b]	*	*	*	*	*	*	*	*
26-Sep	3	3	0	187	28	0	0	215
27-Sep	3	3	0	449	52	0	2	503
28-Sep [b]	*	*	*	*	*	*	*	*
29-Sep	3	3	0	228	62	0	0	290
4-Oct [b]	*	*	*	*	*	*	*	*
6-Oct [b]	*	*	*	*	*	*	*	*
9-Oct [b]	*	*	*	*	*	*	*	*
Total	130	2,348	8,861	962,931	165,892	5,393,799	507,672	7,039,155
September 1-October 9 Total	96	137	1	21,998	5,992	1,303	1,657	30,951

[a] Salmon numbers include test fish harvests.

[b] Confidentiality requirements prohibit reporting harvest by day.

Appendix B.18. Shumagin Islands Section purse seine salmon harvest by day, 1995[a].

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
13-Jun	23	24	745	23,584	0	1,055	8,960	34,344
14-Jun	40	46	1,344	58,693	0	1,645	30,309	91,991
15-Jun	39	39	719	59,380	1	3,036	22,697	85,833
16-Jun	35	35	646	47,896	1	2,546	12,744	63,833
17-Jun	33	35	490	41,525	0	2,366	12,534	56,915
18-Jun	28	28	176	12,568	4	1,043	3,538	17,329
19-Jun	7	7	13	7,086	2	543	1,132	8,776
20-Jun	37	37	124	25,293	15	1,920	7,360	34,712
21-Jun	44	44	328	41,172	17	4,106	10,826	56,449
22-Jun	39	39	345	26,313	20	3,140	7,018	36,836
23-Jun	34	34	332	31,688	17	2,914	6,244	41,195
24-Jun	31	31	292	32,910	5	3,589	6,780	43,576
25-Jun	35	37	440	55,200	59	9,347	10,980	76,026
26-Jun	35	37	371	45,034	75	8,341	21,552	75,373
27-Jun	8	8	47	6,848	2	1,682	4,196	12,775
28-Jun	9	9	25	2,660	111	1,439	1,991	6,226
29-Jun	45	46	235	15,102	451	8,530	14,033	38,351
7-Jul [b]	*	*	*	*	*	*	*	*
14-Jul	5	5	0	5	12	3,392	5,438	8,847
15-Jul	5	5	1	5	3	2,987	3,105	6,101
19-Jul [b]	*	*	*	*	*	*	*	*
20-Jul	38	38	113	27,586	12,262	134,092	27,622	201,675
21-Jul	39	44	137	28,332	15,233	172,080	35,727	251,509
22-Jul	56	56	242	41,813	16,977	210,661	51,895	321,588
25-Jul	40	40	194	6,480	11,910	119,371	12,079	150,034
26-Jul	19	19	102	6,923	7,905	109,742	7,692	132,364
27-Jul	25	27	106	6,189	7,005	111,300	9,930	134,530
28-Jul	41	42	162	12,386	12,747	235,461	19,324	280,080
1-Aug	28	34	59	12,483	5,840	323,211	21,732	363,325
2-Aug	34	35	63	17,319	8,328	397,208	24,535	447,453
5-Aug	31	35	28	4,758	5,532	315,945	7,088	333,351
6-Aug	34	41	25	8,748	7,894	477,806	16,345	510,818
9-Aug	20	21	18	2,025	5,635	183,957	4,636	196,271
10-Aug	28	35	6	4,271	6,388	392,702	4,758	408,125
11-Aug	13	13	3	3,635	6,137	173,321	5,431	188,527
12-Aug	18	19	3	2,276	4,271	132,751	4,494	143,795
14-Aug	31	35	5	1,689	3,552	385,130	3,245	393,621
15-Aug	10	11	5	612	2,016	89,280	1,857	93,770
16-Aug	21	28	2	823	1,079	301,035	909	303,848
17-Aug	16	16	2	1,531	2,887	148,797	1,867	155,084
18-Aug	16	16	2	407	658	130,161	1,873	133,101
19-Aug	46	52	1	509	1,192	443,938	1,552	447,192
23-Aug [b]	*	*	*	*	*	*	*	*
27-Aug [b]	*	*	*	*	*	*	*	*

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Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
5-Sep [b]	*	*	*	*	*	*	*	*
6-Sep [b]	*	*	*	*	*	*	*	*
7-Sep [b]	*	*	*	*	*	*	*	*
Total	77	1,211	7,961	726,663	147,532	5,082,209	458,239	6,422,604

[a] Salmon numbers exclude test fish harvests.

[b] Confidentiality prohibits reporting harvest by day.

Appendix B.20. South Unimak and Shumagin Islands June fisheries, composition of sockeye and chum salmon harvests in percent by gear type, 1970-95.

	South Unimak						Shumagin Islands			
	Sockeye			Chum			Sockeye		Chum	
Year	Purse Seine	Drift Gillnet	Set Gillnet	Purse Seine	Drift Gillnet	Set Gillnet	Purse Seine	Set Gillnet	Purse Seine	Set Gillnet
1970	47.5	52	0.5	31.8	68	0.2	92	8	94.1	5.9
1971	25.3	74.7	0	19.5	80.5	0	89.4	10.6	96.8	3.2
1972	12.5	87.5	0	9.3	90.7	0	96.9	3.1	98.5	1.5
1973	9.6	90	0.4	6.6	93.3	0.1	87.3	12.7	94.3	5.7
1974	0	0	0	0	0	0	0	0	0	0
1975	22.9	77	0.1	28.9	71.1	0	97.5	2.5	97.4	2.6
1976	17.3	81.6	1.1	14.2	85.7	0.1	95.5	4.5	97.1	2.9
1977	15.2	83.9	0.9	10.5	89.2	0.3	94.9	5.1	99	1
1978	18.4	81	0.6	9.9	90	0.1	97	3	96.3	3.7
1979	70.6	29.2	0.2	30.1	69.8	0.2	92.4	7.6	95.7	4.3
1980	76.4	23.1	0.5	79.2	20.7	0.1	96.4	3.6	97.3	2.7
1981	50.7	47.1	2.2	63.5	36.2	0.3	94.8	5.2	98.7	1.3
1982	54.1	44.7	1.2	46.1	53.7	0.2	97.3	2.7	98.9	1.1
1983	60.4	38.7	0.9	65.8	34	0.1	97.4	2.6	99.6	0.4
1984	63.3	35.7	1	60.2	39.7	0.1	94.7	5.3	99.3	0.7
1985	61.3	38	0.7	38.7	61.1	0.2	94.8	5.2	96	4
1986	46.7	51.7	1.6	43.8	55.9	0.3	85	15	95	5
1987	36.5	61.4	2.2	38.3	61.1	0.7	76	24	93.4	6.6
1988	29.8	67	3.2	33.5	65.8	0.6	72.1	27.9	82.6	17.4
1989	59.4	38	2.5	52.1	47.3	0.7	90.9	9.1	93.6	6.4
1990[a]	56.8	41.5	1.7	57.9	41.7	0.4	85.3	14.7	93.1	6.9
1991[a]	53.5	44.4	2.1	61.2	38.2	0.6	80.6	19.4	93.3	6.7
1992[a]	58.3	37.4	4.3	63.2	35.6	1.2	90.9	9.1	96.3	3.7
1993[a]	59.1	38.1	2.8	66.2	31.6	2.2	87.5	12.5	97.9	2.1
1994[a]	57.3	37.1	5.7	63.9	34.6	1.5	75.4	24.6	96.5	3.5
1995[a]	42.1	54.6	3.3	47.1	50.5	2.4	81.5	18.5	93.7	6.3
1970-79 Average										
	23.9	65.7	0.4	16.1	73.8	0.1	84.3	5.7	86.9	3.1
1980-89 Average										
	53.9	44.5	1.6	52.1	47.6	0.3	89.9	10.1	95.4	4.6
1990-95 Average										
	54.5	42.2	3.3	59.9	38.7	1.4	83.5	16.5	95.1	4.9

[a] Gear depth limitations in effect.

Appendix B.19. Shumagin Islands Section set gillnet salmon harvest by day, 1995[a].

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
13-Jun	36	42	30	6,867	0	5	1,034	7,936
14-Jun	11	11	2	2,631	0	0	419	3,052
15-Jun	7	11	0	3,320	0	1	142	3,463
16-Jun	11	16	12	3,717	0	1	244	3,974
17-Jun	31	40	20	8,847	0	18	516	9,401
18-Jun	23	25	9	4,528	0	19	273	4,829
19-Jun	18	23	1	6,741	0	48	149	6,939
20-Jun	35	45	13	12,908	4	49	958	13,932
21-Jun	42	54	36	13,018	7	64	2,171	15,296
22-Jun	40	55	24	11,055	6	113	873	12,071
23-Jun	35	47	14	9,902	11	226	1,037	11,190
24-Jun	38	54	20	8,369	22	201	1,262	9,874
25-Jun	15	20	22	5,330	17	278	589	6,236
26-Jun	10	13	1	4,289	5	148	193	4,636
27-Jun	12	17	5	6,493	9	212	751	7,470
28-Jun	8	8	1	1,491	9	85	142	1,728
29-Jun	39	43	15	11,373	70	831	1,479	13,768
7-Jul	4	6	3	224	1	25	123	376
15-Jul	3	3	2	45	75	34	85	241
20-Jul	30	41	11	9,690	899	10,311	2,943	23,854
21-Jul	33	47	10	11,849	612	11,690	2,757	26,918
22-Jul	34	50	339	12,081	746	12,796	2,704	28,666
25-Jul	19	27	5	5,715	391	10,782	1,657	18,550
26-Jul	18	34	4	6,184	775	14,868	1,835	23,666
27-Jul	17	25	7	5,426	566	11,968	1,648	19,615
28-Jul	20	31	1	4,944	330	13,029	1,093	19,397
1-Aug	11	15	0	2,577	284	10,619	1,363	14,843
2-Aug	16	33	0	6,440	295	26,105	2,868	35,708
5-Aug	13	25	1	2,605	397	15,750	1,069	19,822
6-Aug	14	28	0	4,106	360	24,037	1,529	30,032
9-Aug	8	9	0	408	113	11,431	353	12,305
10-Aug	14	22	0	1,727	435	18,787	921	21,870
11-Aug [b]	*	*	*	*	*	*	*	*
12-Aug [b]	*	*	*	*	*	*	*	*
14-Aug	13	19	0	1,558	597	20,483	902	23,540
15-Aug [b]	*	*	*	*	*	*	*	*
16-Aug	12	22	0	1,469	413	38,963	664	41,509
17-Aug [b]	*	*	*	*	*	*	*	*
18-Aug [b]	*	*	*	*	*	*	*	*
19-Aug	15	22	1	1,919	639	40,917	466	43,942
1-Sep	12	17	0	2,639	1,055	1,189	509	5,392
4-Sep	3	3	0	1,011	105	8	68	1,192
5-Sep	6	10	0	2,526	540	40	200	3,306
6-Sep	5	9	0	2,663	699	7	163	3,532
7-Sep	7	14	0	2,982	837	14	224	4,057

-Continued-

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Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
11-Sep	7	10	0	2,018	830	0	151	2,999
12-Sep	5	10	0	982	221	0	70	1,273
13-Sep	10	17	0	1,553	347	0	106	2,006
14-Sep	8	11	1	1,203	456	0	108	1,768
15-Sep	4	7	0	479	80	0	26	585
18-Sep [b]	*	*	*	*	*	*	*	*
19-Sep [b]	*	*	*	*	*	*	*	*
20-Sep [b]	*	*	*	*	*	*	*	*
21-Sep [b]	*	*	*	*	*	*	*	*
22-Sep	4	4	0	855	201	0	4	1,060
25-Sep [b]	*	*	*	*	*	*	*	*
26-Sep	3	3	0	187	28	0	0	215
27-Sep	3	3	0	449	52	0	2	503
28-Sep [b]	*	*	*	*	*	*	*	*
29-Sep	3	3	0	228	62	0	0	290
4-Oct [b]	*	*	*	*	*	*	*	*
6-Oct [b]	*	*	*	*	*	*	*	*
9-Oct [b]	*	*	*	*	*	*	*	*
Total	52	1,123	610	222,858	14,700	302,518	39,428	580,114

[a] Salmon numbers exclude test fish harvests.

[b] Confidentiality requirements prohibit reporting harvest by day.

Appendix B.21. South Unimak and Shumagin Islands June fisheries sockeye salmon harvest by gear, 1970-95[a]

	Purse Seine		Drift Gillnet		Set Gillnet		
Year	Number	Percent	Number	Percent	Number	Percent	Total
1970	845,597	51.2	785,174	47.6	19,363	1.2	1,650,134
1971	142,251	30.8	315,685	68.3	4,165	0.9	462,101
1972	125,242	25	373,618	74.5	2,337	0.5	501,197
1973	41,411	16.9	200,258	81.6	3,881	1.6	245,550
1974	0	0	0	0	0	0	0
1975	91,768	38.2	146,937	61.2	1,394	0.6	240,099
1976	109,089	35.7	190,256	62.3	5,882	1.9	305,227
1977	73,277	30.3	164,165	68	4,150	1.7	241,592
1978	143,047	29.4	339,295	69.7	4,493	0.9	486,835
1979	639,986	75.2	196,482	23.1	14,964	1.8	851,432
1980	2,544,107	79.3	631,975	19.7	30,193	0.9	3,206,275
1981	1,078,047	59.2	693,166	38.1	49,922	2.7	1,821,135
1982	1,341,224	63.3	745,616	35.2	31,861	1.5	2,118,701
1983	1,339,868	68.3	599,152	30.5	23,951	1.2	1,962,971
1984	959,821	69.1	403,582	29.1	24,800	1.8	1,388,203
1985	1,210,653	67.6	553,558	30.9	27,189	1.5	1,791,400
1986	279,960	59.4	162,950	34.6	28,487	6	471,397
1987	345,028	43.4	401,215	50.5	47,860	6	794,103
1988	344,801	45.6	317,818	42	94,068	12.4	756,687
1989	1,161,809	66.6	512,522	29.4	70,174	4	1,744,505
1990[b]	837,635	62.2	452,484	33.6	56,176	4.2	1,346,295
1991[b]	919,000	59.3	539,490	34.8	90,440	5.8	1,548,930
1992[b]	1,566,460	63.7	765,752	31.2	125,644	5.1	2,457,856
1993[b]	1,928,739	64.9	902,788	30.4	142,217	4.8	2,973,744
1994[b]	920,170	63.0	371,103	25.4	169,990	11.6	1,461,263
1995[b]	1,144,405	54.4	792,940	37.7	167,976	8.0	2,105,321
1976-95 Average	944,356	63.3	486,815	32.6	60,522	4.1	1,491,694
1986-95 Average	944,801	60.3	521,906	33.3	99,303	6.3	1,566,010

[a] Salmon numbers exclude test fish harvests.

[b] Gear depth limitations in effect.

Appendix B.22. South Unimak and Shumagin Islands June fisheries chum salmon harvest by gear, 1970-95.[a]

	Purse Seine		Drift Gillnet		Set Gillnet		
Year	Number	Percent	Number	Percent	Number	Percent	Total
1970	168,520	38.1	269,844	61.1	3,548	0.8	441,912
1971	179,588	35.3	326,267	64.1	3,342	0.7	509,197
1972	144,604	27.9	372,635	71.8	1,590	0.3	518,829
1973	33,351	16.6	165,753	82.6	1,526	0.8	200,630
1974	0	0.0	0	0.0	0	0.0	0
1975	53,447	53.0	46,447	46.1	928	0.9	100,822
1976	119,569	29.1	288,300	70.3	2,478	0.6	410,347
1977	31,530	27.2	84,052	72.4	532	0.5	116,114
1978	28,003	23.0	93,115	76.4	790	0.6	121,908
1979	58,203	55.9	44,051	42.3	1,852	1.8	104,106
1980	412,350	81.0	94,900	18.6	1,615	0.3	508,865
1981	377,168	66.9	184,586	32.7	2,228	0.4	563,982
1982	590,179	53.9	501,282	45.8	3,583	0.3	1,095,044
1983	574,300	73.1	209,600	26.7	1,546	0.2	785,446
1984	245,605	72.9	90,498	26.8	1,017	0.3	337,120
1985	230,432	53.1	198,361	45.7	5,036	1.2	433,829
1986	204,746	58.2	141,299	40.2	5,724	1.6	351,769
1987	190,064	42.9	247,934	55.9	5,143	1.2	443,141
1988	207,049	39.3	305,967	58.1	13,695	2.6	526,711
1989	256,808	56.4	192,650	42.3	5,705	1.3	455,163
1990	322,701	62.2	190,002	36.6	6,036	1.2	518,739
1991	505,790	65.5	256,132	33.1	10,783	1.4	772,705
1992	303,226	71.1	115,401	27.1	7,576	1.8	426,203
1993	399,958	75.1	120,820	22.7	11,469	2.2	532,247
1994	439,863	75.6	129,530	22.2	12,772	2.2	582,165
1995	344,093	64.0	172,715	32.1	20,625	3.8	537,433
1976-95 Average	292,082	60.7	183,060	38.0	6,010	1.2	481,152
1986-95 Average	317,430	61.7	187,245	36.4	9,953	1.9	514,628

[a] Salmon numbers exclude test fish harvests.

Appendix B.23. South Unimak and Shumagin Islands June fisheries, sockeye to chum salmon ratios, all gear combined, 1960-95.[a]

	South Unimak			Shumagin Islands			Total		
Year	Sockeye	Chum	Ratio	Sockeye	Chum	Ratio	Sockeye	Chum	Ratio
1960	137,000	84,000	1.63	19,000	11,000	1.73	156,000	95,000	1.64
1961	199,000	157,000	1.27	55,000	36,000	1.53	254,000	193,000	1.32
1962	272,000	209,000	1.30	54,000	61,000	0.89	326,000	270,000	1.21
1963	116,000	36,000	3.22	33,000	36,000	0.92	149,000	72,000	2.07
1964	159,000	161,000	0.99	85,000	67,000	1.27	244,000	228,000	1.07
1965	568,000	121,000	4.69	207,000	45,000	4.60	775,000	166,000	4.67
1966	528,000	215,000	2.46	54,000	17,000	3.18	582,000	232,000	2.51
1967	186,000	73,000	2.55	69,000	51,000	1.35	255,000	124,000	2.06
1968	342,000	115,000	2.97	233,000	51,000	4.57	575,000	166,000	3.46
1969	781,000	254,000	3.07	76,000	13,000	5.85	857,000	267,000	3.21
1970	1,510,399	397,003	3.80	139,543	44,896	3.11	1,649,942	441,899	3.73
1971	422,760	405,311	1.04	39,341	103,886	0.38	462,101	509,197	0.91
1972	426,799	411,019	1.04	74,398	107,810	0.69	501,197	518,829	0.97
1973	222,586	177,720	1.25	22,964	22,910	1.00	245,550	200,630	1.22
1974	0	0		0	0		0	0	
1975	190,774	65,279	2.92	49,306	35,542	1.39	240,080	100,821	2.38
1976	233,211	336,238	0.69	72,016	74,109	0.97	305,227	410,347	0.74
1977	195,680	94,215	2.08	45,912	21,899	2.10	241,592	116,114	2.08
1978	418,959	103,429	4.05	67,876	18,479	3.67	486,835	121,908	3.99
1979	672,293	63,153	10.65	179,139	40,953	4.37	851,432	104,106	8.18
1980	2,731,148	458,499	5.96	475,127	50,366	9.43	3,206,275	508,865	6.30
1981	1,470,563	509,911	2.88	350,572	54,071	6.48	1,821,135	563,982	3.23
1982	1,668,153	933,728	1.79	439,230	164,975	2.66	2,107,383	1,098,703	1.92
1983	1,547,369	616,390	2.51	416,494	169,277	2.46	1,963,863	785,667	2.50
1984	1,131,365	227,913	4.96	256,838	109,207	2.35	1,388,203	337,120	4.12
1985	1,454,969	324,825	4.48	336,431	109,004	3.09	1,791,400	433,829	4.13
1986	315,370	252,721	1.25	156,027	99,048	1.58	471,397	351,769	1.34
1987	653,536	406,077	1.61	140,567	37,064	3.79	794,103	443,141	1.79
1988	474,457	464,765	1.02	282,230	61,946	4.56	756,687	526,711	1.44
1989	1,347,547	407,635	3.31	396,958	47,528	8.35	1,744,505	455,163	3.83
1990	1,090,710	455,238	2.40	255,585	63,501	4.02	1,346,295	518,739	2.60
1991	1,216,035	670,409	1.81	333,272	102,602	3.25	1,549,307	773,011	2.00
1992	2,046,022	323,891	6.32	411,834	102,312	4.03	2,457,856	426,203	5.77
1993	2,366,573	381,941	6.20	607,171	150,306	4.04	2,973,744	532,247	5.59
1994	1,001,250	374,409	2.67	460,013	207,756	2.21	1,461,263	582,165	2.51
1995	1,451,490	342,307	4.24	653,831	195,126	3.35	2,105,321	537,433	3.92
1976-95 Average	1,174,335	387,385	3.03	316,856	93,976	3.37	1,491,191	481,361	3.10
1986-95 Average	1,196,299	407,939	2.93	369,749	106,719	3.46	1,566,048	514,658	3.04

[a] Salmon numbers exclude test fish harvests.

Appendix B.24. South Unimak and Shumagin Islands June fisheries, sockeye per chum salmon ratio by gear type, 1970-95.

	South Unimak				Shumagin Islands		
Year	Purse Seine	Drift Gillnet	Set Gillnet	Total	Purse Seine	Set Gillnet	Total
1970	5.7	2.9	9.4	3.8	3	4.2	3.1
1971	1.4	1	0	1	0.3	0	0.4
1972	1.4	1	0.4	1	0.7	1.5	0.7
1973	1.8	1.2	4.4	1.3	0.9	2.2	1
1974	0	0	0	0	0	0	0
1975	2.3	3.2	0	2.9	1.4	0	1.4
1976	0.8	0.7	8.3	0.7	1	1.5	1
1977	3	2	5.8	2.1	2	10.6	2.1
1978	7.6	3.6	23.5	4.1	3.7	3	3.7
1979	25	4.5	15.1	10.6	4.2	7.7	4.4
1980	5.7	6.7	55	6	9.4	12.4	9.4
1981	2.3	3.8	21	2.9	6.2	25.4	6.5
1982	2.1	1.5	11.1	1.8	2.7	6.7	2.8
1983	2.3	2.9	14.9	2.5	2.4	16.3	2.5
1984	5.2	4.5	36.4	5	2.2	19.2	2.4
1985	7.1	2.8	14.8	4.5	3	4	3.1
1986	1.3	1.2	6.7	1.2	1.4	4.7	1.6
1987	1.5	1.6	5.2	1.6	3.1	13.8	3.8
1988	0.9	1	5.2	1	4	7.3	4.6
1989	3.8	2.7	12.7	3.3	8.1	11.9	8.4
1990[a]	2.4	2.4	11.3	2.4	3.7	8.6	4
1991[a]	1.6	2.1	6.5	1.8	2.8	9.5	3.2
1992[a]	5.8	6.6	23.3	6.3	3.8	9.9	4
1993[a]	5.5	7.5	8	6.2	3.6	24.1	4
1994[a]	2.4	2.9	10.2	2.7	1.7	15.8	2.2
1995[a]	3.8	4.6	5.6	4.2	2.9	9.9	3.4
1976-95 Average	4.5	3.3	15.0	3.5	3.6	11.1	3.9
1986-95 Average	2.9	3.3	9.5	3.1	3.5	11.6	3.9

[a] Gear depth limitations in effect.

Appendix B.25. Salmon gear in the South Unimak and Shumagin Islands Section waters during June, 1970-95[a].

	Gear			
Year	Purse Seine	Drift Gillnet	Set Gillnet	Total
1970	39	156	16	211
1971	37	122	8	167
1972	32	150	7	189
1973	16	121	7	144
1974	0	0	0	0
1975	20	81	8	109
1976	25	108	16	149
1977	17	101	13	131
1978	23	120	16	159
1979	40	132	26	198
1980	68	129	29	226
1981	83	135	25	243
1982	90	138	23	251
1983	100	146	35	281
1984	101	147	32	280
1985	107	150	48	305
1986	99	156	43	298
1987	86	144	60	290
1988	90	148	63	301
1989	99	145	61	305
1990	109	153	59	321
1991	112	157	65	334
1992	112	141	68	321
1993	116	140	72	328
1994	114	145	65	324
1995	112	151	68	331
1976-95 Average	85.2	139.3	44.4	268.8
1986-95 Average	104.9	148	62.4	315.3

[a] During the peak of the South Peninsula June fishery, (June 12-26), approximately 50 purse seine permit holders fish the Shumagin Islands Section fishery. During the occasions when the South Unimak fishery is open and the Shumagin Islands fishery is closed, nearly the entire purse seine fleet fishes at South Unimak. Drift gillnet effort declines after June 20 as the fleet begins moving to the Port Moller fishery.

Appendix C.1. South Peninsula post June salmon harvest, all gear combined, July 1-October 31, 1970-95[a].

			Number of Salmon					
Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	127	1,612	777	63,569	32,519	1,630,404	550,698	2,277,967
1971	175	2,325	1,305	225,162	16,906	1,423,528	855,916	2,522,817
1972	140	940	673	45,174	7,999	60,270	212,505	326,621
1973	115	710	159	58,207	6,571	38,500	91,810	195,247
1974	95	744	557	171,700	9,362	100,179	71,430	353,228
1975	46	90	0	3,449	66	55,395	29,928	88,838
1976	125	1,181	14	20,707	213	2,342,600	121,282	2,484,816
1977	103	1,315	35	60,669	2,108	1,443,245	126,762	1,632,819
1978	123	2,187	222	74,839	60,771	5,500,177	423,532	6,059,541
1979	165	2,699	1,049	283,352	356,562	6,409,584	378,712	7,429,259
1980	152	2,948	1,569	371,638	273,328	6,335,159	843,988	7,825,682
1981	168	2,940	4,415	316,945	161,899	4,581,643	1,201,454	6,266,356
1982	183	3,361	2,566	177,160	254,798	5,016,065	1,171,508	6,622,097
1983	210	3,210	12,833	522,913	127,157	2,771,744	917,198	4,351,845
1984	217	4,251	4,913	525,275	310,910	10,668,889	1,312,347	12,822,334
1985	213	2,970	724	294,782	170,046	4,323,885	912,580	5,702,017
1986	202	3,444	3,586	687,525	235,852	3,739,423	1,394,332	6,060,718
1987	233	2,926	3,935	463,090	224,740	1,191,512	929,782	2,813,059
1988	243	4,701	7,011	716,964	505,278	6,864,600	1,381,796	9,475,649
1989	274	4,185	4,225	909,393	441,397	7,089,895	538,177	8,983,087
1990	261	3,663	6,164	1,039,265	305,509	2,346,043	715,940	4,412,921
1991	234	3,889	2,807	570,688	313,210	9,977,423	797,890	11,662,018
1992	233	4,317	4,040	870,687	414,933	9,117,479	880,066	11,287,205
1993	221	3,683	4,301	639,412	214,020	9,843,962	513,579	11,215,274
1994	213	3,738	1,726	541,108	250,079	6,648,470	1,593,590	9,034,973
1995	207	4,228	2,079	824,679	254,581	16,123,733	1,172,964	18,378,036
Average 1976-95	199	3,292	3,411	495,555	243,870	6,116,777	866,374	7,725,985
Average 1986-95	232	3,877	3,987	726,281	315,960	7,294,254	991,812	9,332,294

[a] Salmon numbers exclude test fish harvests.

Appendix C.2. South Peninsula post June purse seine salmon harvest, July 1-October 31, 1970-95[a].

			Number of Salmon					
Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	103	1,265	750	28,397	31,789	1,551,475	497,990	2,110,401
1971	111	1,622	1,219	82,826	16,346	1,414,696	715,354	2,230,441
1972	83	571	647	18,957	7,795	55,667	144,992	228,058
1973	53	332	155	15,796	6,286	34,463	73,249	129,949
1974	46	257	509	63,511	8,091	88,832	51,538	212,481
1975	39	76	0	1,642	37	54,435	29,336	85,450
1976	85	1,089	5	9,630	53	2,337,109	118,482	2,465,279
1977	82	1,117	18	32,051	1,034	1,427,176	114,058	1,574,337
1978	99	1,916	204	57,448	57,842	5,470,855	403,352	5,989,701
1979	120	2,144	981	193,629	346,021	6,306,410	346,006	7,193,047
1980	110	2,178	1,495	260,433	249,602	6,236,027	758,344	7,505,901
1981	113	2,004	4,280	171,658	155,653	4,461,879	1,104,569	5,898,039
1982	105	2,037	2,294	92,784	219,462	4,852,553	1,060,812	6,227,905
1983	114	1,852	12,552	258,763	109,822	2,688,187	829,281	3,898,605
1984	116	2,307	4,338	240,959	247,342	10,324,380	1,186,753	12,003,772
1985	119	1,646	625	178,953	128,931	4,096,285	828,645	5,233,439
1986	114	1,820	3,395	412,251	203,505	3,602,769	1,300,638	5,522,558
1987	111	1,289	3,700	238,678	169,763	1,135,252	811,464	2,358,857
1988	111	2,175	6,586	423,852	389,723	6,427,823	1,228,987	8,476,971
1989	117	1,644	3,584	470,465	305,558	6,641,815	417,978	7,839,400
1990	117	1,459	5,605	524,630	224,354	2,256,837	600,040	3,611,466
1991	118	1,705	2,085	232,338	199,104	9,614,533	635,031	10,683,091
1992	115	1,861	3,724	443,201	294,100	8,616,933	776,939	10,134,897
1993	101	1,594	3,666	288,648	148,565	9,494,663	448,204	10,383,746
1994	114	1,519	1,321	147,337	161,903	6,317,708	1,458,898	8,087,167
1995	112	2,010	1,556	368,688	185,974	15,404,768	1,039,506	17,000,492
Average 1976-95	110	1,768	3,101	252,320	189,916	5,885,698	773,399	7,104,434
Average 1986-95	113	1,708	3,522	355,009	228,255	6,951,310	871,769	8,409,865

[a] Salmon numbers exclude test fish harvests.

Appendix C.3. South Peninsula post June drift gillnet salmon harvest, July 1- October 31, 1970-95[a].

			Number of Salmon					
Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	56	152	19	15,364	56	62,666	31,764	109,869
1971	107	475	47	105,274	356	1,983	124,539	232,199
1972	66	230	8	15,580	59	129	55,615	71,391
1973	77	168	1	16,246	43	545	10,464	27,299
1974	46	217	22	52,481	1,110	1,626	13,998	69,237
1975	0	0	0	0	0	0	0	0
1976	22	25	1	2,649	0	65	1,390	4,105
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	16	27	2	1,097	33	16,635	2,834	20,601
1980	2	2	0	398	0	12	8	418
1981	7	8	0	1,388	10	7,200	4,821	13,419
1982	29	159	90	13,472	19,202	50,748	17,406	100,918
1983	30	128	78	19,005	3,658	5,586	19,913	48,240
1984	37	315	161	26,698	37,805	78,575	30,941	174,180
1985	33	185	24	18,441	18,033	21,803	18,521	76,822
1986	29	243	24	30,261	18,901	27,772	22,294	99,252
1987	54	285	64	39,360	30,445	3,025	43,115	116,009
1988	63	582	142	44,657	75,445	145,106	68,066	333,416
1989	81	590	295	86,343	88,376	85,946	44,605	305,565
1990	64	533	122	132,907	42,659	32,089	46,700	254,477
1991	43	237	62	21,721	51,215	26,740	25,465	125,203
1992	42	312	47	44,935	58,621	91,106	29,252	223,961
1993	41	215	111	23,421	26,364	12,037	17,871	79,804
1994	24	160	25	18,134	24,980	53,701	26,262	123,102
1995	18	126	34	21,505	26,020	41,868	22,517	111,944
Average 1976-95	32	207	64	27,320	26,088	35,001	22,099	110,572
Average 1986-95	46	328	93	46,324	44,303	51,939	34,615	177,273

[a] Salmon numbers exclude test fish harvests.

Appendix C.4. South Peninsula post June set gillnet salmon harvest, July 1- October 31, 1970-95[a].

			Number of Salmon					
Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	25	195	8	19,808	674	16,263	20,944	57,697
1971	24	228	39	37,062	204	6,849	16,023	60,177
1972	22	139	18	10,637	145	4,474	11,898	27,172
1973	25	210	3	26,165	242	3,492	8,097	37,999
1974	40	270	26	55,708	161	9,721	5,894	71,510
1975	7	14	0	1,807	29	960	592	3,388
1976	20	67	8	8,428	160	5,426	1,410	15,432
1977	23	198	17	28,618	1,074	16,069	12,704	58,482
1978	26	271	18	17,391	2,929	29,322	20,180	69,840
1979	38	528	66	88,626	10,508	86,539	29,872	215,611
1980	42	768	74	110,807	23,726	99,120	85,636	319,363
1981	48	928	135	143,899	6,236	112,564	92,064	354,898
1982	51	1,165	182	70,904	16,134	112,764	93,290	293,274
1983	57	1,230	203	245,145	13,677	77,971	68,004	405,000
1984	64	1,629	414	257,618	25,763	265,934	94,653	644,382
1985	61	1,139	75	97,388	23,082	205,797	65,414	391,756
1986	59	1,381	167	245,013	13,446	108,882	71,400	438,908
1987	68	1,352	171	185,052	24,532	53,235	75,203	338,193
1988	69	1,944	283	248,455	40,110	291,671	84,743	665,262
1989	76	1,951	346	352,585	47,463	362,134	75,594	838,122
1990	80	1,671	437	381,728	38,496	57,117	69,200	546,978
1991	73	1,947	660	316,629	62,891	336,150	137,394	853,724
1992	76	2,144	269	382,551	62,212	409,440	73,875	928,347
1993	79	1,874	524	327,343	39,091	337,262	47,504	751,724
1994	75	2,059	380	375,637	63,196	277,061	108,430	824,704
1995	77	2,092	489	434,486	42,587	677,097	110,941	1,265,600
Average 1976-95	58	1,317	246	215,915	27,866	196,078	70,876	510,980
Average 1986-95	73	1,842	373	324,948	43,402	291,005	85,428	745,156

[a] Salmon numbers exclude test fish harvests.

Appendix C.5. South Peninsula post June salmon harvest, all gear combined, July 1 - October 31, 1909-95[a].

	Number of Salmon					
Year	Chinook	Sockeye	Coho[b]	Pink	Chum	Total
1909			7,200			
1910			5,500			
1911			12,400			
1912			27,000			
1913			0			
1914			0			
1915			16,200			
1916			34,100			
1917			4,600			
1918			16,300			
1919			56,100			
1920			47,700			
1921			1,500			
1922			2,200			
1923			75,300			
1924			127,300			
1925			127,100			
1926			193,800			
1927			125,300			
1928			96,600			
1929			84,500			
1930			161,100			
1931			128,700			
1932			112,300			
1933			190,000			
1934			247,100			
1935			117,200			
1936			284,600			
1937			73,900			
1938			220,700			
1939			98,900			
1940			184,200			
1941			183,000			
1942			123,000			
1943			90,600			
1944			238,700			
1945			116,100			
1946			151,400			
1947			55,800			
1948			39,200			
1949			19,500			
1950			70,700			

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	Number of Salmon					
Year	Chinook	Sockeye	Coho[b]	Pink	Chum	Total
1951			55,700			
1952			39,200			
1953			47,900			
1954			49,400			
1955			44,800			
1956			61,900			
1957			49,900			
1958			70,600			
1959			8,500			
1960			1,800			
1961			10,400			
1962			12,500	1,899,400	564,800	
1963			16,500	2,324,700	358,300	
1964			13,600	2,705,300	532,100	
1965			34,200	2,806,100	372,400	
1966			6,300	288,800	257,400	
1967			2,900	57,300	123,200	
1968			31,100	1,141,100	169,000	
1969			10,900	1,128,100	138,400	
1970	777	63,569	32,519	1,630,404	550,698	2,277,967
1971	1,305	225,162	16,906	1,423,528	855,916	2,522,817
1972	673	45,174	7,999	60,270	212,505	326,621
1973	159	58,207	6,571	38,500	91,810	195,247
1974	557	171,700	9,362	100,179	71,430	353,228
1975	0	3,449	67	55,395	29,928	88,839
1976	14	20,707	213	2,342,600	121,282	2,484,816
1977	35	60,669	2,108	1,443,245	126,762	1,632,819
1978	222	74,839	60,771	5,500,177	423,532	6,059,541
1979	1,049	283,352	356,562	6,409,584	378,712	7,429,259
1980	1,569	371,638	273,328	6,335,159	843,988	7,825,682
1981	4,415	316,945	161,899	4,581,643	1,201,454	6,266,356
1982	2,566	177,160	254,798	5,016,065	1,171,508	6,622,097
1983	12,833	522,913	127,157	2,771,744	917,198	4,351,845
1984	4,913	525,275	310,910	10,668,889	1,312,347	12,822,334
1985	724	294,782	170,046	4,323,885	912,580	5,702,017
1986	3,586	687,525	235,852	3,739,423	1,394,332	6,060,718
1987	3,935	463,090	224,740	1,191,512	929,782	2,813,059
1988	7,011	716,964	505,278	6,864,600	1,381,796	9,475,649
1989	4,225	909,393	441,397	7,089,895	538,177	8,983,087
1990	6,164	1,039,265	305,509	2,346,043	715,940	4,412,921
1991	2,807	570,688	313,210	9,977,423	797,890	11,662,018
1992	4,040	870,687	414,933	9,117,479	880,066	11,287,205
1993	4,301	639,412	214,020	9,843,962	513,579	11,215,274

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	Number of Salmon					
Year	Chinook	Sockeye	Coho[b]	Pink	Chum	Total
1994	1,726	541,108	250,079	6,648,470	1,593,590	9,034,973
1995	2,079	824,679	254,581	16,123,733	1,172,964	18,378,036
Average 1976-95	3,411	495,555	243,870	6,116,777	866,374	7,725,985
Average 1986-95	3,987	726,281	315,960	7,294,254	991,812	9,332,294

[a] Salmon numbers exclude test fish harvests.

[b] Assumes all South Peninsula coho are caught during post June fisheries and that the Aleutian Islands Management Area contribution is negligible.

Appendix C.6 Shumagin Islands Section July test fishery results, 1995.

		Number of Adult Salmon						Immature Salmon						
								Number					Percent	
Date	Number of Sets	Chinook	Sockeye	Coho	Pink	Chum	Total	Chinook	Sockeye	Coho	Chum	Total	Sockeye	Chum
12-Jul	5	21	431	177	513	555	1,697	26	22	0	86	134	16.4	64.2
	Ave/Set	4.2	86.2	35.4	102.6	111.0	339.4	5.2	4.4	0.0	17.2	26.8	16.4	64.2
13-Jul	5	11	666	808	2,037	240	3,762	33	31	0	20	84	36.9	23.8
	Ave/Set	2.2	133.2	161.6	407.4	48.0	752.4	6.6	6.2	0.0	4.0	16.8	36.9	23.8
14-Jul	5	27	879	262	990	604	2,762	28	100	0	168	296	33.8	56.8
	Ave/Set	5.4	175.8	52.4	198.0	120.8	552.4	5.6	20.0	0.0	33.6	59.2	33.8	56.8
15-Jul	3	7	316	392	692	235	1,642	12	11	0	5	28	39.3	17.9
	Ave/Set	2.3	105.3	130.7	230.7	78.3	547.3	4	3.7	0.0	1.7	9.3	39.3	17.9
16-Jul	6	23	749	946	1,830	320	3,868	53	38	0	36	127	29.9	28.3
	Ave/Set	3.8	124.8	157.7	305.0	53.3	644.7	8.8	6.3	0.0	6.0	21.2	29.9	28.3
17-Jul	6	33	959	1,086	2,394	638	5,110	63	19	0	75	157	12.1	47.8
	Ave/Set	5.5	159.8	181.0	399.0	106.3	851.7	10.5	3.2	0.0	12.5	26.2	12.1	47.8

Note: Test fishing is standardized to purse seine gear, conducting 20 minute sets at Popof head, Middle Set, and Red Bluff located on Popof Island, additional sets are made if time allows.

Appendix C.7. South Peninsula post June chinook salmon harvest by gear, July 1-October 31,1970-95[a].

	Purse Seine		Drift Gillnet		Set Gillnet		
Year	Number	Percent	Number	Percent	Number	Percent	Total
1970	750	96.5	19	2.4	8	1.0	777
1971	1,219	93.4	47	3.6	39	3.0	1,305
1972	647	96.1	8	1.2	18	2.7	673
1973	155	97.5	1	0.6	3	1.9	159
1974	509	91.4	22	3.9	26	4.7	557
1975	0	0.0	0	0.0	0	0.0	0
1976	5	35.7	1	7.1	8	57.1	14
1977	18	51.4	0	0.0	17	48.6	35
1978	204	91.9	0	0.0	18	8.1	222
1979	981	93.5	2	0.2	66	6.3	1,049
1980	1,495	95.3	0	0.0	74	4.7	1,569
1981	4,280	96.9	0	0.0	135	3.1	4,415
1982	2,294	89.4	90	3.5	182	7.1	2,566
1983	12,552	97.8	78	0.6	203	1.6	12,833
1984	4,338	88.3	161	3.3	414	8.4	4,913
1985	625	86.3	24	3.3	75	10.4	724
1986	3,395	94.7	24	0.7	167	4.7	3,586
1987	3,700	94.0	64	1.6	171	4.3	3,935
1988	6,586	93.9	142	2.0	283	4.0	7,011
1989	3,584	84.8	295	7.0	346	8.2	4,225
1990	5,605	90.9	122	2.0	437	7.1	6,164
1991	2,085	74.3	62	2.2	660	23.5	2,807
1992	3,724	92.2	47	1.2	269	6.7	4,040
1993	3,666	85.2	111	2.6	524	12.2	4,301
1994	1,321	76.5	25	1.4	380	22.0	1,726
1995	1,556	74.8	34	1.6	489	23.5	2,079
Average 1976-95							
	3,101	90.9	64	1.9	246	7.2	3,411
Average 1986-95							
	3,522	88.3	93	2.3	373	9.3	3,987

[a] Salmon numbers exclude test fish harvests.

Appendix C.8. South Peninsula post June sockeye salmon harvest by gear, July 1-October 31, 1970-95[a].

	Purse Seine		Drift Gillnet		Set Gillnet		
Year	Number	Percent	Number	Percent	Number	Percent	Total
1970	28,397	44.7	15,364	24.2	19,808	31.2	63,569
1971	82,826	36.8	105,274	46.8	37,062	16.5	225,162
1972	18,957	42.0	15,580	34.5	10,637	23.5	45,174
1973	15,796	27.1	16,246	27.9	26,165	45.0	58,207
1974	63,511	37.0	52,481	30.6	55,708	32.4	171,700
1975	1,642	47.6	0	0.0	1,807	52.4	3,449
1976	9,630	46.5	2,649	12.8	8,428	40.7	20,707
1977	32,051	52.8	0	0.0	28,618	47.2	60,669
1978	57,448	76.8	0	0.0	17,391	23.2	74,839
1979	193,629	68.3	1,097	0.4	88,626	31.3	283,352
1980	260,433	70.1	398	0.1	110,807	29.8	371,638
1981	171,658	54.2	1,388	0.4	143,899	45.4	316,945
1982	92,784	52.4	13,472	7.6	70,904	40.0	177,160
1983	258,763	49.5	19,005	3.6	245,145	46.9	522,913
1984	240,959	45.9	26,698	5.1	257,618	49.0	525,275
1985	178,953	60.7	18,441	6.3	97,388	33.0	294,782
1986	412,251	60.0	30,261	4.4	245,013	35.6	687,525
1987	238,678	51.5	39,360	8.5	185,052	40.0	463,090
1988	423,852	59.1	44,657	6.2	248,455	34.7	716,964
1989	470,465	51.7	86,343	9.5	352,585	38.8	909,393
1990	524,630	50.5	132,907	12.8	381,728	36.7	1,039,265
1991	232,338	40.7	21,721	3.8	316,629	55.5	570,688
1992	443,201	50.9	44,935	5.2	382,551	43.9	870,687
1993	288,648	45.1	23,421	3.7	327,343	51.2	639,412
1994	147,337	27.2	18,134	3.4	375,637	69.4	541,108
1995	368,688	44.7	21,505	2.6	434,486	52.7	824,679
Average 1976-95	252,320	50.9	27,320	5.5	215,915	43.6	495,555
Average 1986-95	355,009	48.9	46,324	6.4	324,948	44.7	726,281

[a] Salmon numbers exclude test fish harvests.

Appendix C.9 South Peninsula post June coho salmon harvest by gear, July 1-October 31, 1970-95.

	Purse Seine		Drift Gillnet		Set Gillnet		
Year	Number	Percent	Number	Percent	Number	Percent	Total
1970	31,789	97.8	56	0.2	674	2.1	32,519
1971	16,346	96.7	356	2.1	204	1.2	16,906
1972	7,795	97.4	59	0.7	145	1.8	7,999
1973	6,286	95.7	43	0.7	242	3.7	6,571
1974	8,091	86.4	1,110	11.9	161	1.7	9,362
1975	37	56.1	0	0.0	29	43.9	66
1976	53	24.9	0	0.0	160	75.1	213
1977	1,034	49.1	0	0.0	1,074	50.9	2,108
1978	57,842	95.2	0	0.0	2,929	4.8	60,771
1979	346,021	97.0	33	0.0	10,508	2.9	356,562
1980	249,602	91.3	0	0.0	23,726	8.7	273,328
1981	155,653	96.1	10	0.0	6,236	3.9	161,899
1982	219,462	86.1	19,202	7.5	16,134	6.3	254,798
1983	109,822	86.4	3,658	2.9	13,677	10.8	127,157
1984	247,342	79.6	37,805	12.2	25,763	8.3	310,910
1985	128,931	75.8	18,033	10.6	23,082	13.6	170,046
1986	203,505	86.3	18,901	8.0	13,446	5.7	235,852
1987	169,763	75.5	30,445	13.5	24,532	10.9	224,740
1988	389,723	77.1	75,445	14.9	40,110	7.9	505,278
1989	305,558	69.2	88,376	20.0	47,463	10.8	441,397
1990	224,354	73.4	42,659	14.0	38,496	12.6	305,509
1991	199,104	63.6	51,215	16.4	62,891	20.1	313,210
1992	294,100	70.9	58,621	14.1	62,212	15.0	414,933
1993	148,565	69.4	26,364	12.3	39,091	18.3	214,020
1994	161,903	64.7	24,980	10.0	63,196	25.3	250,079
1995	185,974	73.1	26,020	10.2	42,587	16.7	254,581
Average 1976-95	189,916	77.9	26,088	10.7	27,866	11.4	243,870
Average 1986-95	228,255	72.2	44,303	14.0	43,402	13.7	315,960

[a] Salmon numbers exclude test fish harvests.

Appendix C.10. South Peninsula post June pink salmon harvest by gear, July 1- October 31, 1970-95[a].

	Purse Seine		Drift Gillnet		Set Gillnet		
Year	Number	Percent	Number	Percent	Number	Percent	Total
1970	1,551,475	95.2	62,666	3.8	16,263	1.0	1,630,404
1971	1,414,696	99.4	1,983	0.1	6,849	0.5	1,423,528
1972	55,667	92.4	129	0.2	4,474	7.4	60,270
1973	34,463	89.5	545	1.4	3,492	9.1	38,500
1974	88,832	88.7	1,626	1.6	9,721	9.7	100,179
1975	54,435	98.3	0	0.0	960	1.7	55,395
1976	2,337,109	99.8	65	0.0	5,426	0.2	2,342,600
1977	1,427,176	98.9	0	0.0	16,069	1.1	1,443,245
1978	5,470,855	99.5	0	0.0	29,322	0.5	5,500,177
1979	6,306,410	98.4	16,635	0.3	86,539	1.4	6,409,584
1980	6,236,027	98.4	12	0.0	99,120	1.6	6,335,159
1981	4,461,879	97.4	7,200	0.2	112,564	2.5	4,581,643
1982	4,852,553	96.7	50,748	1.0	112,764	2.2	5,016,065
1983	2,688,187	97.0	5,586	0.2	77,971	2.8	2,771,744
1984	10,324,380	96.8	78,575	0.7	265,934	2.5	10,668,889
1985	4,096,285	94.7	21,803	0.5	205,797	4.8	4,323,885
1986	3,602,769	96.3	27,772	0.7	108,882	2.9	3,739,423
1987	1,135,252	95.3	3,025	0.3	53,235	4.5	1,191,512
1988	6,427,823	93.6	145,106	2.1	291,671	4.2	6,864,600
1989	6,641,815	93.7	85,946	1.2	362,134	5.1	7,089,895
1990	2,256,837	96.2	32,089	1.4	57,117	2.4	2,346,043
1991	9,614,533	96.4	26,740	0.3	336,150	3.4	9,977,423
1992	8,616,933	94.5	91,106	1.0	409,440	4.5	9,117,479
1993	9,494,663	96.5	12,037	0.1	337,262	3.4	9,843,962
1994	6,317,708	95.0	53,701	0.8	277,061	4.2	6,648,470
1995	15,404,768	95.5	41,868	0.3	677,097	4.2	16,123,733
Average 1976-95							
	5,885,698	96.2	35,001	0.6	196,078	3.2	6,116,777
Average 1986-95							
	6,951,310	95.3	51,939	0.7	291,005	4.0	7,294,254

Appendix C.11. South Peninsula post June chum salmon harvest by gear, July 1-October 31, 1970-95[a].

	Purse Seine		Drift Gillnet		Set Gillnet		
Year	Number	Percent	Number	Percent	Number	Percent	Total
1970	497,990	90.4	31,764	5.8	20,944	3.8	550,698
1971	715,354	83.6	124,539	14.6	16,023	1.9	855,916
1972	144,992	68.2	55,615	26.2	11,898	5.6	212,505
1973	73,249	79.8	10,464	11.4	8,097	8.8	91,810
1974	51,538	72.2	13,998	19.6	5,894	8.3	71,430
1975	29,336	98.0	0	0.0	592	2.0	29,928
1976	118,482	97.7	1,390	1.1	1,410	1.2	121,282
1977	114,058	90.0	0	0.0	12,704	10.0	126,762
1978	403,352	95.2	0	0.0	20,180	4.8	423,532
1979	346,006	91.4	2,834	0.7	29,872	7.9	378,712
1980	758,344	89.9	8	0.0	85,636	10.1	843,988
1981	1,104,569	91.9	4,821	0.4	92,064	7.7	1,201,454
1982	1,060,812	90.6	17,406	1.5	93,290	8.0	1,171,508
1983	829,281	90.4	19,913	2.2	68,004	7.4	917,198
1984	1,186,753	90.4	30,941	2.4	94,653	7.2	1,312,347
1985	828,645	90.8	18,521	2.0	65,414	7.2	912,580
1986	1,300,638	93.3	22,294	1.6	71,400	5.1	1,394,332
1987	811,464	87.3	43,115	4.6	75,203	8.1	929,782
1988	1,228,987	88.9	68,066	4.9	84,743	6.1	1,381,796
1989	417,978	77.7	44,605	8.3	75,594	14.0	538,177
1990	600,040	83.8	46,700	6.5	69,200	9.7	715,940
1991	635,031	79.6	25,465	3.2	137,394	17.2	797,890
1992	776,939	88.3	29,252	3.3	73,875	8.4	880,066
1993	448,204	87.3	17,871	3.5	47,504	9.2	513,579
1994	1,458,898	91.5	26,262	1.6	108,430	6.8	1,593,590
1995	1,039,506	88.6	22,517	1.9	110,941	9.5	1,172,964
Average 1976-95							
	773,399	89.3	22,099	2.6	70,876	8.2	866,374
Average 1986-95							
	871,769	87.9	34,615	3.5	85,428	8.6	991,812

[a] Salmon numbers exclude test fish harvests.

Appendix C.12. Shumagin Islands Section post June salmon harvest by species, all gear combined, July 1-October 31, 1970-95[a].

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	50	512	735	22,219	30,065	486,657	116,392	656,068
1971	52	737	1,135	45,681	16,067	471,965	300,509	835,357
1972	44	431	619	18,070	7,686	34,047	97,606	158,028
1973	28	259	148	19,484	6,068	19,315	43,154	88,169
1974	37	205	507	43,484	8,031	35,706	37,323	125,051
1975	0	0	0	0	0	0	0	0
1976	42	127	0	3	3	303,422	7,968	311,396
1977	2	5	0	97	74	0	38	209
1978	69	643	189	51,261	40,433	1,213,961	164,930	1,470,774
1979	91	956	910	145,369	313,573	2,071,045	93,527	2,624,424
1980	86	1,239	1,456	235,438	233,501	1,625,784	283,432	2,379,611
1981	92	893	4,038	118,139	126,955	1,364,370	309,726	1,923,228
1982	89	964	1,969	67,269	207,273	1,638,712	295,325	2,210,548
1983	92	864	6,547	108,365	92,403	900,726	220,824	1,328,865
1984	90	858	3,222	96,149	211,648	1,786,737	259,497	2,357,253
1985	109	932	511	107,792	113,193	1,627,627	205,649	2,054,772
1986	99	1,352	3,149	341,966	201,518	1,497,905	557,407	2,601,945
1987	120	1,210	3,388	248,934	157,936	542,383	310,540	1,263,181
1988	120	2,041	5,955	416,917	351,118	3,396,332	415,308	4,585,630
1989	140	1,565	2,446	416,425	248,760	2,023,468	238,627	2,929,726
1990	138	1,439	4,916	423,253	182,128	1,102,353	344,096	2,056,746
1991	135	1,318	1,396	212,091	142,846	2,140,838	211,667	2,708,838
1992	128	1,424	2,657	250,306	230,425	2,287,338	233,954	3,004,680
1993	110	1,007	2,334	195,451	124,423	3,326,530	121,102	3,769,840
1994	115	986	949	152,702	147,602	1,126,688	249,939	1,677,880
1995	116	1,274	1,674	295,690	161,292	5,325,186	302,541	6,086,383
Average 1976-95	99	1,055	2,385	194,181	164,355	1,765,070	241,305	2,367,296
Average 1986-95	122	1,362	2,886	295,374	194,805	2,276,902	298,518	3,068,485

[a] Salmon numbers exclude test fish harvests.

Appendix C.13. Shumagin Islands Section post June purse seine salmon harvest by species, July 1-October 31, 1970-95.[ab]

			Number of Fish					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	45	456	735	20,616	29,869	480,668	112,328	644,216
1971	44	649	1,129	40,997	15,946	469,438	294,326	821,836
1972	39	388	614	16,861	7,661	33,387	94,827	153,350
1973	21	189	147	14,493	5,960	18,043	40,904	79,547
1974	26	148	497	39,955	8,011	34,796	35,737	118,996
1975	0	0	0	0	0	0	0	0
1976	42	127	0	3	3	303,422	7,968	311,396
1977	0	0	0	0	0	0	0	0
1978	51	513	182	46,478	39,807	1,198,020	153,278	1,437,765
1979	69	820	906	133,849	310,338	2,037,038	88,706	2,570,837
1980	65	1,056	1,451	215,842	232,103	1,608,291	268,704	2,326,391
1981	69	739	4,031	104,618	125,838	1,330,047	298,336	1,862,870
1982	65	812	1,953	61,306	204,187	1,617,128	283,527	2,168,101
1983	69	738	6,513	96,513	90,220	891,237	215,265	1,299,748
1984	65	603	3,161	75,357	207,577	1,730,094	245,951	2,262,140
1985	66	671	490	92,645	109,746	1,564,791	193,894	1,961,566
1986	64	911	3,102	282,235	198,490	1,462,948	537,754	2,484,529
1987	72	676	3,337	183,576	152,025	521,872	285,677	1,146,487
1988	72	1,140	5,862	326,863	340,745	3,221,597	385,772	4,280,839
1989	83	641	2,315	251,880	228,086	1,872,541	211,173	2,565,995
1990	82	723	4,748	260,225	168,410	1,071,568	308,035	1,812,986
1991	76	476	1,099	87,380	125,881	2,021,704	161,630	2,397,694
1992	73	579	2,507	118,420	209,569	2,070,119	201,258	2,601,873
1993	61	486	2,263	121,014	109,888	3,186,831	108,498	3,528,494
1994	63	359	854	65,989	123,462	1,007,533	216,512	1,414,350
1995	70	675	1,289	193,711	146,752	5,024,967	275,345	5,642,064
Average 1976-95	64	637	2,303	135,895	156,156	1,687,087	222,364	2,203,806
Average 1986-95	72	667	2,738	189,129	180,331	2,146,168	269,165	2,787,531

[a] Salmon numbers exclude test fish harvests.

[b] Drift gillnet landings comprising of 209 sockeye, 8 coho, 806 pink, and 840 chum salmon were reassigned as purse seine landings.

Appendix C.14. Shumagin Islands Section post June set gillnet salmon harvest by species, July 1-October 31, 1970-95.

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	11	48	0	1,394	188	5,183	3,224	9,989
1971	10	88	6	4,684	121	2,527	6,183	13,521
1972	6	43	5	1,209	25	660	2,779	4,678
1973	9	70	1	4,991	108	1,272	2,250	8,622
1974	18	57	10	3,529	20	910	1,586	6,055
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	2	5	0	97	74	0	38	209
1978	19	130	7	4,783	626	15,941	11,652	33,009
1979	24	135	4	11,520	3,235	32,537	4,821	52,117
1980	21	183	5	19,596	1,398	17,493	14,728	53,220
1981	23	154	7	13,521	1,117	34,323	11,390	60,358
1982	23	149	16	5,951	3,086	20,566	9,979	39,598
1983	23	126	34	11,852	2,183	9,489	5,559	29,117
1984	25	255	61	20,792	4,071	56,643	13,546	95,113
1985	43	261	21	15,147	3,447	62,836	11,755	93,206
1986	35	441	47	59,731	3,028	34,957	19,653	117,416
1987	48	534	51	65,358	5,911	20,511	24,863	116,694
1988	48	901	93	90,054	10,373	174,735	29,536	304,791
1989	57	924	131	164,545	20,674	150,927	27,454	363,731
1990	56	716	168	163,028	13,718	30,785	36,061	243,760
1991	59	842	297	124,711	16,965	119,134	50,037	311,144
1992	55	845	150	131,886	20,856	217,219	32,696	402,807
1993	49	521	71	74,437	14,535	139,699	12,604	241,346
1994	52	627	95	86,713	24,140	119,155	33,427	263,530
1995	46	599	385	101,979	14,540	300,219	27,196	444,319
Average 1976-95	35	417	82	58,285	8,199	77,858	18,850	163,274
Average 1986-95	51	695	149	106,244	14,474	130,734	29,353	280,954

Appendix C.15. South Central District post June salmon harvest by species, all gear combined, July 1-October 31,1970-95.

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	63	545	1	897	145	703,145	319,249	1,023,437
1971	57	511	12	1,110	72	505,920	201,193	708,307
1972	31	106	8	155	2	7,893	30,340	38,398
1973	28	115	0	90	103	6,473	26,151	32,817
1974	16	46	1	4,461	2	11,348	2,262	18,074
1975	32	45	0	53	3	27,032	28,649	55,737
1976	66	719	3	4,419	12	1,457,025	73,604	1,535,063
1977	86	885	7	9,022	15	992,852	87,468	1,089,364
1978	80	909	11	2,604	1,717	2,261,341	107,569	2,373,242
1979	85	623	6	4,639	4,213	1,597,090	105,647	1,711,595
1980	55	298	11	3,507	1,374	490,186	191,080	686,158
1981	95	625	15	12,001	1,714	1,921,088	240,596	2,175,414
1982	68	534	26	3,130	3,486	1,560,109	240,172	1,806,923
1983	92	562	212	10,776	3,365	1,166,003	128,871	1,309,227
1984	94	694	312	22,687	3,471	3,447,090	311,193	3,784,753
1985	59	302	46	11,701	987	678,418	165,893	857,045
1986	61	372	33	49,266	1,164	1,078,410	254,835	1,383,708
1987	84	346	104	39,209	1,237	222,080	198,350	460,980
1988	43	216	282	48,968	3,696	123,343	155,378	331,667
1989	75	227	95	58,209	3,642	550,192	49,861	661,999
1990	72	214	126	62,040	3,767	382,065	60,370	508,368
1991	92	433	202	44,277	9,259	3,270,646	156,552	3,480,936
1992	99	431	483	160,039	22,071	1,566,809	253,811	2,003,213
1993	79	286	115	35,999	3,829	1,502,663	143,660	1,686,266
1994	85	377	130	34,188	2,844	1,681,569	317,664	2,036,395
1995	93	506	41	67,878	3,111	3,925,189	176,827	4,173,046
Average 1976-95	78	478	113	34,228	3,749	1,493,708	170,970	1,702,768
Average 1986-95	78	341	161	60,007	5,462	1,430,297	176,731	1,672,658

Appendix C.16. Southwestern District post June salmon harvest by species, all gear combined, July 1-October 31,1970-95.

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	66	273	17	18,242	1,000	248,158	62,708	330,125
1971	102	473	31	44,138	428	209,313	103,874	357,784
1972	53	144	4	4,605	59	6,815	16,177	27,660
1973	68	161	2	14,631	54	1,984	8,965	25,636
1974	48	240	24	59,789	1,119	4,650	15,317	80,899
1975	18	20	0	240	0	25,343	509	26,092
1976	57	125	3	5,463	0	306,786	14,914	327,166
1977	45	131	0	12,548	18	279,745	17,630	309,941
1978	49	307	0	4,020	11,848	1,332,325	83,213	1,431,406
1979	68	512	15	22,354	13,996	1,570,553	98,426	1,705,344
1980	103	785	18	37,483	17,949	3,815,588	169,141	4,040,179
1981	66	397	6	20,582	19,197	376,948	217,615	634,348
1982	94	658	170	38,183	27,161	909,969	253,923	1,229,406
1983	97	449	347	42,663	3,256	513,215	139,111	698,592
1984	128	1,190	308	113,518	51,719	4,023,402	383,676	4,572,623
1985	120	860	90	95,459	40,160	997,847	375,413	1,508,969
1986	103	837	120	111,763	28,027	671,600	414,277	1,225,787
1987	109	549	130	59,089	41,218	46,398	170,711	317,546
1988	138	1,229	310	67,397	84,991	2,103,097	474,764	2,730,559
1989	142	1,124	430	141,669	102,890	1,477,724	67,046	1,789,759
1990	154	959	242	226,480	52,020	591,592	102,462	972,796
1991	118	907	345	97,518	100,413	2,439,676	229,170	2,867,122
1992	145	1,200	393	230,902	90,810	4,238,473	279,675	4,840,253
1993	107	853	397	144,246	45,720	2,351,295	181,364	2,723,022
1994	130	1,206	233	110,398	43,911	3,497,528	904,977	4,557,047
1995	108	1,042	118	127,817	41,634	4,760,969	511,124	5,441,662
Average 1976-95	104	766	184	85,478	40,847	1,815,237	254,432	2,196,176
Average 1986-95	125	991	272	131,728	63,163	2,217,835	333,557	2,746,555

Appendix C.17. Unimak District post June salmon harvest by species, all gear combined, July 1-October 31,1970-95.

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	9	12	4	2,616	0	3,872	2,546	9,038
1971	112	252	35	98,879	35	4,496	105,794	209,239
1972	47	136	5	11,205	27	143	45,544	56,924
1973	16	28	0	2,404	0	89	3,476	5,969
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0
1981	8	11	84	10,117	625	8,411	22,383	41,620
1982	3	8	1	666	514	1,162	1,738	4,081
1983	36	118	4,351	36,666	9,736	13,100	182,034	245,887
1984	23	56	313	16,826	14,854	112,833	100,954	245,780
1985	2	2	0	173	161	2,503	419	3,256
1986	7	8	6	3,186	200	1,267	2,420	7,079
1987	11	22	25	8,955	249	1,740	8,789	19,758
1988	63	177	115	25,308	24,852	61,017	77,514	188,806
1989	33	55	63	15,999	11,784	33,425	50,616	111,887
1990	56	140	58	50,032	12,029	20,224	52,967	135,310
1991	17	33	31	5,060	10,820	7,083	8,525	31,519
1992	17	71	9	12,578	16,568	27,849	11,937	68,941
1993	13	21	7	2,149	3,017	2,139	2,039	9,351
1994	2	3	2	2,179	878	9,709	604	13,372
1995	2	2	0	172	60	75	166	473
Average 1976-95	15	36	253	9,503	5,317	15,127	26,155	56,356
Average 1986-95	22	53	32	12,562	8,046	16,453	21,558	58,650

Appendix D.1. Southeastern District Mainland salmon harvest, all gear combined, by day, 1995.

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
11-Jun	29	31	14	3,398	2	1	108	3,523
12-Jun	47	65	71	8,172	2	2	595	8,842
14-Jun	12	13	14	2,693	0	0	454	3,161
15-Jun	34	52	36	12,983	0	5	731	13,755
16-Jun	37	57	65	12,071	1	27	1,233	13,397
25-Jun	25	28	13	7,878	3	32	367	8,293
26-Jun	44	68	39	19,158	55	158	1,182	20,592
8-Jul	12	12	2	2,064	1	28	68	2,163
9-Jul	22	30	0	4,067	0	29	108	4,204
11-Jul	24	25	0	4,207	0	36	19	4,262
12-Jul	25	27	1	2,811	0	46	19	2,877
13-Jul	16	22	0	2,114	1	27	15	2,157
14-Jul	23	30	1	4,097	2	494	5,316	9,910
15-Jul	18	33	1	3,719	0	81	86	3,887
16-Jul	16	24	1	3,190	0	67	30	3,288
17-Jul	14	20	0	3,439	0	96	31	3,566
18-Jul	13	23	1	5,665	0	235	110	6,011
19-Jul	68	97	62	46,952	2,218	48,406	10,760	108,398
20-Jul	6	11	0	1,551	0	390	70	2,011
21-Jul	5	11	0	1,855	0	458	97	2,410
22-Jul	7	9	0	2,647	0	1,106	235	3,988
23-Jul	9	10	0	1,447	0	313	70	1,830
24-Jul	9	10	0	1,580	0	321	57	1,958
25-Jul	8	10	0	1,623	1	416	48	2,088
26-Jul	51	63	82	14,803	7,830	73,865	11,962	108,542
27-Jul	46	54	45	17,882	3,171	81,861	18,569	121,528
28-Jul	38	48	6	19,810	783	94,369	16,778	131,746
29-Jul	7	7	0	1,458	21	1,487	319	3,285
30-Jul	6	6	0	996	0	829	89	1,914
31-Jul	6	6	0	1,899	1	1,353	84	3,337
1-Aug	37	53	13	11,425	1,091	158,161	6,991	177,681
2-Aug	41	74	4	12,448	432	173,638	12,770	199,292
5-Aug	33	44	3	6,359	861	133,394	13,310	153,927
6-Aug	39	69	3	11,750	857	189,060	9,094	210,764
9-Aug	20	21	2	2,685	612	127,932	14,491	145,722
10-Aug	39	57	5	10,013	1,757	260,338	17,413	289,526
11-Aug	10	10	5	3,533	1,655	122,356	6,509	134,058
12-Aug [a]	*	*	*	*	*	*	*	*
14-Aug	42	61	3	9,668	3,142	200,564	12,798	226,175
15-Aug	11	11	2	4,682	1,343	111,777	2,926	120,730
16-Aug	30	50	0	6,256	1,230	111,526	6,179	125,191

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Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
17-Aug	7	8	0	3,717	1,067	45,988	1,392	52,164
18-Aug	9	10	2	3,610	1,743	60,089	1,993	67,437
19-Aug	21	26	0	9,746	2,432	103,896	3,064	119,138
1-Sep	26	38	2	13,707	2,357	349	2,021	18,436
4-Sep	22	29	0	7,887	1,476	52	985	10,400
5-Sep	25	42	0	15,324	2,143	6	1,372	18,845
6-Sep	31	52	0	20,126	4,784	0	1,507	26,417
7-Sep	32	50	0	10,987	1,909	0	839	13,735
11-Sep	21	21	0	2,290	510	0	291	3,091
12-Sep	24	31	0	4,064	875	0	414	5,353
13-Sep	16	19	0	2,832	446	0	155	3,433
14-Sep	13	17	0	3,846	1,020	0	187	5,053
15-Sep	9	10	0	2,249	336	0	108	2,693
19-Sep [a]	*	*	*	*	*	*	*	*
22-Sep	3	3	0	986	79	0	42	1,107
26-Sep [a]	*	*	*	*	*	*	*	*
27-Sep [a]	*	*	*	*	*	*	*	*
28-Sep [a]	*	*	*	*	*	*	*	*
29-Sep [a]	*	*	*	*	*	*	*	*
4-Oct [a]	*	*	*	*	*	*	*	*
5-Oct [a]	*	*	*	*	*	*	*	*
TOTAL	118	1,718	498	399,475	48,547	2,112,539	186,976	2,748,035
TOTAL THROUGH JULY 25	84	718	321	159,381	2,286	52,774	21,809	236,571
TOTAL FROM SEPTEMBER 1 - OCTOBER 5	41	321	2	87,285	16,198	407	7,942	111,834

[a] Confidentiality requirements prohibit reporting harvest by day.

Appendix D.2. Southeastern District Mainland purse seine salmon harvest by day, 1995.

Date		Permits	Landings	Number of Salmon					
				Chinook	Sockeye	Coho	Pink	Chum	Total
11-Jul	[a]	*	*	*	*	*	*	*	*
12-Jul	[a]	*	*	*	*	*	*	*	*
14-Jul		3	3	0	22	0	346	5,200	5,568
19-Jul		25	25	53	18,025	2,104	39,331	8,425	67,938
26-Jul		23	23	67	5,735	7,127	63,281	8,222	84,432
27-Jul		16	17	34	4,162	2,796	66,028	13,512	86,532
28-Jul		11	12	3	6,226	478	78,763	11,597	97,067
1-Aug		11	13	13	2,481	872	140,569	3,329	147,264
2-Aug		12	15	1	2,601	173	147,078	7,195	157,048
5-Aug		10	11	1	1,464	577	116,766	10,255	129,063
6-Aug		12	13	1	3,323	392	154,698	4,242	162,656
9-Aug		12	13	2	1,805	459	122,975	13,540	138,781
10-Aug		18	22	5	3,193	970	233,817	13,034	251,019
11-Aug		10	10	5	3,533	1,655	122,356	6,509	134,058
12-Aug	[a]	*	*	*	*	*	*	*	*
14-Aug		20	21	3	4,494	1,837	180,683	9,199	196,216
15-Aug		10	10	2	3,912	1,343	109,172	2,721	117,150
16-Aug		5	7	0	1	0	76,416	15	76,432
17-Aug		6	6	0	3,558	1,030	45,204	1,357	51,149
18-Aug		8	9	2	3,610	1,743	57,960	1,993	65,308
19-Aug		12	12	0	6,320	2,032	84,595	1,492	94,439
1-Sep		4	4	2	1,147	729	0	369	2,247
6-Sep	[a]	*	*	*	*	*	*	*	*
7-Sep	[a]	*	*	*	*	*	*	*	*
12-Sep	[a]	*	*	*	*	*	*	*	*
Total		56	254	194	83,721	29,220	1,846,913	123,058	2,083,106

[a] Confidentiality requirements prohibit reporting harvests by day.

Appendix D.3. Southeastern District Mainland set gillnet salmon harvest by day, 1995.

Date	Permits	Landings	Number of Salmon					
			Chinook	Sockey	Coho	Pink	Chum	Total
11-Jun	29	31	14	3,398	2	1	108	3,523
12-Jun	47	65	71	8,172	2	2	595	8,842
14-Jun	12	13	14	2,693	0	0	454	3,161
15-Jun	34	52	36	12,983	0	5	731	13,755
16-Jun	37	57	65	12,071	1	27	1,233	13,397
25-Jun	25	28	13	7,878	3	32	367	8,293
26-Jun	44	68	39	19,158	55	158	1,182	20,592
8-Jul	12	12	2	2,064	1	28	68	2,163
9-Jul	22	30	0	4,067	0	29	108	4,204
11-Jul	23	24	0	2,594	0	36	19	2,649
12-Jul	24	26	1	2,605	0	46	19	2,671
13-Jul	16	22	0	2,114	1	27	15	2,157
14-Jul	20	27	1	4,075	2	148	116	4,342
15-Jul	18	33	1	3,719	0	81	86	3,887
16-Jul	16	24	1	3,190	0	67	30	3,288
17-Jul	14	20	0	3,439	0	96	31	3,566
18-Jul	13	23	1	5,665	0	235	110	6,011
19-Jul	43	72	9	28,927	114	9,075	2,335	40,460
20-Jul	6	11	0	1,551	0	390	70	2,011
21-Jul	5	11	0	1,855	0	458	97	2,410
22-Jul	7	9	0	2,647	0	1,106	235	3,988
23-Jul	9	10	0	1,447	0	313	70	1,830
24-Jul	9	10	0	1,580	0	321	57	1,958
25-Jul	8	10	0	1,623	1	416	48	2,088
26-Jul	28	40	15	9,068	703	10,584	3,740	24,110
27-Jul	30	37	11	13,720	375	15,833	5,057	34,996
28-Jul	27	36	3	13,584	305	15,606	5,181	34,679
29-Jul	7	7	0	1,458	21	1,487	319	3,285
30-Jul	6	6	0	996	0	829	89	1,914
31-Jul	6	6	0	1,899	1	1,353	84	3,337
1-Aug	26	40	0	8,944	219	17,592	3,662	30,417
2-Aug	29	59	3	9,847	259	26,560	5,575	42,244
5-Aug	23	33	2	4,895	284	16,628	3,055	24,864
6-Aug	27	56	2	8,427	465	34,362	4,852	48,108
9-Aug	8	8	0	880	153	4,957	951	6,941
10-Aug	21	35	0	6,820	787	26,521	4,379	38,507
14-Aug	22	40	0	5,174	1,305	19,881	3,599	29,959
15-Aug [a]	*	*	*	*	*	*	*	*
16-Aug	25	43	0	6,255	1,230	35,110	6,164	48,759
17-Aug [a]	*	*	*	*	*	*	*	*
18-Aug [a]	*	*	*	*	*	*	*	*
19-Aug	9	14	0	3,426	400	19,301	1,572	24,699
1-Sep	22	34	0	12,560	1,628	349	1,652	16,189
4-Sep	22	29	0	7,887	1,476	52	985	10,400

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Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
5-Sep	25	42	0	15,324	2,143	6	1,372	18,845
6-Sep	29	50	0	15,243	2,384	0	1,234	18,861
7-Sep	30	48	0	9,837	1,532	0	754	12,123
11-Sep	21	21	0	2,290	510	0	291	3,091
12-Sep	23	30	0	3,876	784	0	414	5,074
13-Sep	16	19	0	2,832	446	0	155	3,433
14-Sep	13	17	0	3,846	1,020	0	187	5,053
15-Sep	9	10	0	2,249	336	0	108	2,693
19-Sep [a]	*	*	*	*	*	*	*	*
22-Sep	3	3	0	986	79	0	42	1,107
26-Sep [a]	*	*	*	*	*	*	*	*
27-Sep [a]	*	*	*	*	*	*	*	*
28-Sep [a]	*	*	*	*	*	*	*	*
29-Sep [a]	*	*	*	*	*	*	*	*
4-Oct [a]	*	*	*	*	*	*	*	*
5-Oct [a]	*	*	*	*	*	*	*	*
Total	62	1,464	304	315,754	19,327	265,626	63,918	664,929

[a] Confidentiality requirements prohibit reporting harvest by day.

Appendix D.4. Southeastern District Mainland post June salmon harvest by species, all gear combined, July 1-October 31, 1970-95.

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	44	270	20	19,595	1,309	188,572	49,803	259,299
1971	48	354	92	35,354	304	234,058	144,649	414,457
1972	32	123	37	11,139	225	11,372	22,838	45,611
1973	24	147	9	21,598	346	10,639	10,064	42,656
1974	41	253	25	63,966	210	48,475	16,528	129,204
1975	13	25	0	3,156	63	3,020	770	7,009
1976	60	210	8	10,822	198	275,367	24,796	311,191
1977	54	294	28	39,002	2,001	170,648	21,626	233,305
1978	67	328	22	16,954	6,773	692,550	67,820	784,119
1979	82	608	118	110,990	24,780	1,170,896	81,112	1,387,896
1980	69	626	84	95,210	20,504	403,601	200,335	719,734
1981	85	1,014	272	156,106	13,408	910,826	411,134	1,491,746
1982	85	1,197	400	67,912	16,364	906,113	380,350	1,371,139
1983	89	1,217	1,376	324,443	18,397	178,700	246,358	769,274
1984	107	1,453	758	276,095	29,218	1,298,827	257,027	1,861,925
1985	81	874	77	79,657	15,545	1,017,490	165,206	1,277,975
1986	87	875	278	181,344	4,943	490,241	165,393	842,199
1987	100	799	288	106,903	24,100	378,911	241,392	751,594
1988	104	1,038	349	158,374	40,621	1,180,811	258,832	1,638,987
1989	121	1,214	1,191	277,091	74,321	3,005,086	132,027	3,489,716
1990	132	911	822	277,460	55,565	249,809	156,045	739,701
1991	126	1,198	833	211,742	49,872	2,119,180	191,976	2,573,603
1992	109	1,191	498	216,862	55,059	997,010	100,689	1,370,118
1993	123	1,516	1,448	261,567	37,031	2,661,335	65,414	3,026,795
1994	122	1,166	412	241,641	54,844	332,976	120,406	750,279
1995	115	1,404	246	333,122	48,484	2,112,314	182,306	2,676,472
Average 1976-95	96	957	475	172,165	29,601	1,027,635	173,512	1,403,388
Average 1986-95	114	1,131	637	226,611	44,484	1,352,767	161,448	1,785,946

Appendix D.5. Southeastern District Mainland post June purse seine salmon harvest by species, July 1-October 31,1970-95.[a]

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	40	132	12	1,911	830	177,819	32,557	213,129
1971	41	216	59	3,141	223	229,739	134,967	368,129
1972	23	39	26	1,743	111	8,405	16,881	27,166
1973	13	21	8	782	236	8,560	5,753	15,339
1974	20	67	10	16,188	71	40,988	13,311	70,568
1975	6	11	0	1,349	34	2,060	178	3,621
1976	42	144	0	2,457	38	270,062	23,429	295,986
1977	34	136	12	13,053	1,006	164,621	14,898	193,590
1978	45	196	14	4,462	4,470	685,670	59,742	754,358
1979	51	251	56	36,337	17,649	1,131,202	61,958	1,247,202
1980	40	143	33	14,344	5,754	370,609	152,123	542,863
1981	51	366	151	32,719	9,664	844,046	357,077	1,243,657
1982	48	343	251	8,165	5,797	831,775	312,657	1,158,645
1983	49	260	1,256	109,489	7,416	151,331	197,038	466,530
1984	55	291	458	63,598	17,595	1,154,613	198,777	1,435,041
1985	42	245	49	18,219	8,864	892,831	134,668	1,054,631
1986	42	150	197	21,178	1,870	430,690	131,155	585,090
1987	49	160	203	9,421	12,461	352,451	204,662	579,198
1988	55	254	234	32,865	29,911	1,091,389	220,925	1,375,324
1989	75	438	1,077	130,549	64,247	2,824,089	95,146	3,115,108
1990	74	228	611	119,395	47,387	239,075	134,455	540,923
1991	70	348	551	60,417	36,910	1,945,583	126,403	2,169,864
1992	59	178	397	43,267	35,799	855,400	75,142	1,010,005
1993	62	363	1,055	59,265	25,021	2,484,375	38,703	2,608,419
1994	61	106	168	24,832	29,544	256,712	80,358	391,614
1995	56	254	194	83,721	29,220	1,846,913	123,058	2,083,106
Average 1976-95								
	53	243	348	44,388	19,531	941,172	137,119	1,142,558
Average 1986-95								
	60	248	469	58,491	31,237	1,232,668	123,001	1,445,865

[a] Drift gillnet landings comprising of 1 chinook, 379 sockeye, 1 coho, 6,016 pink, and 1,498 chum salmon were reassigned as purse seine landings.

Appendix D.6. Southeastern District Mainland post June set gillnet salmon harvest by species, July 1-October 31, 1970-95.

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	16	138	8	17,684	479	10,753	17,246	46,170
1971	14	138	33	32,213	81	4,319	9,682	46,328
1972	12	84	11	9,396	114	2,967	5,957	18,445
1973	15	126	1	20,816	110	2,079	4,311	27,317
1974	28	186	15	47,778	139	7,487	3,217	58,636
1975	7	14	0	1,807	29	960	592	3,388
1976	19	66	8	8,365	160	5,305	1,367	15,205
1977	20	158	16	25,949	995	6,027	6,728	39,715
1978	22	132	8	12,492	2,303	6,880	8,078	29,761
1979	33	357	62	74,653	7,131	39,694	19,154	140,694
1980	31	483	51	80,866	14,750	32,992	48,212	176,871
1981	34	648	121	123,387	3,744	66,780	54,057	248,089
1982	37	854	149	59,747	10,567	74,338	67,693	212,494
1983	40	957	120	214,954	10,981	27,369	49,320	302,744
1984	52	1,162	300	212,497	11,623	144,214	58,250	426,884
1985	39	629	28	61,438	6,681	124,659	30,538	223,344
1986	45	725	81	160,166	3,073	59,551	34,238	257,109
1987	51	639	85	97,482	11,639	26,460	36,730	172,396
1988	49	784	115	125,509	10,710	89,422	37,907	263,663
1989	46	776	114	146,542	10,074	180,997	36,881	374,608
1990	58	683	211	158,065	8,178	10,734	21,590	198,778
1991	56	850	282	151,325	12,962	173,597	65,573	403,739
1992	50	1,013	101	173,595	19,260	141,610	25,547	360,113
1993	61	1,153	393	202,302	12,010	176,960	26,711	418,376
1994	61	1,060	244	216,809	25,300	76,264	40,048	358,665
1995	59	1,150	52	249,401	19,264	265,401	59,248	593,366
Average 1976-95	43	714	127	127,777	10,070	86,463	36,394	260,831
Average 1986-95	54	883	168	168,120	13,247	120,100	38,447	340,081

Appendix D.7. Southeastern District post June salmon harvest by species, all gear combined, July 1-October 31, 1970-95[a].

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	56	644	748	38,579	30,349	534,891	137,013	741,580
1971	59	858	1,176	71,689	16,142	525,000	317,492	931,499
1972	51	500	626	24,521	7,759	37,485	104,610	175,001
1973	33	345	156	35,456	6,290	24,456	47,695	114,053
1974	48	348	518	84,566	8,146	65,089	47,332	205,651
1975	8	14	0	2,943	29	2,783	496	6,251
1976	59	224	8	9,024	164	398,733	15,408	423,337
1977	37	151	19	25,689	762	40,108	8,867	75,445
1978	75	784	205	63,144	42,027	1,507,991	193,461	1,806,828
1979	102	1,305	978	215,063	324,723	2,628,819	136,434	3,306,017
1980	99	1,599	1,503	296,003	241,659	1,846,028	448,024	2,833,217
1981	106	1,481	4,212	218,454	131,990	1,688,648	581,660	2,624,964
1982	106	1,648	2,173	109,955	215,056	2,254,745	545,874	3,127,803
1983	110	1,530	6,952	315,265	101,707	969,445	357,361	1,750,730
1984	114	1,561	3,462	238,830	220,380	2,061,880	380,732	2,905,284
1985	117	1,438	549	157,175	118,899	1,998,542	321,946	2,597,111
1986	111	1,939	3,382	487,600	204,797	1,773,468	693,117	3,162,364
1987	130	1,725	3,519	329,339	174,782	679,632	513,917	1,701,189
1988	127	2,735	6,267	540,387	382,688	4,220,158	614,762	5,764,262
1989	145	2,379	3,196	638,321	312,879	3,928,266	331,031	5,213,693
1990	147	1,995	5,476	598,290	233,281	1,304,560	480,346	2,621,953
1991	142	2,516	2,229	423,833	192,718	4,260,018	403,643	5,282,441
1992	135	2,615	3,155	467,168	285,484	3,284,348	334,643	4,374,798
1993	128	2,523	3,782	457,018	161,454	5,987,865	186,516	6,796,635
1994	134	2,152	1,361	394,343	202,446	1,459,664	370,345	2,428,159
1995	132	2,678	1,920	628,812	209,776	7,437,500	484,847	8,762,855
Average 1976-95	113	1,749	2,717	330,686	187,884	2,486,521	370,147	3,377,954
Average 1986-95	133	2,326	3,429	496,511	236,031	3,433,548	441,317	4,610,835

[a] Salmon numbers exclude test fish harvests.

Appendix D.8. Southeastern District post June purse seine salmon harvest by species, July 1-October 31, 1970-95.[ab]

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	51	577	746	22,215	30,698	655,301	144,087	853,047
1971	52	865	1,188	44,138	16,169	699,177	429,293	1,189,965
1972	48	427	640	18,604	7,772	41,792	111,708	180,516
1973	26	210	155	15,275	6,196	26,603	46,657	94,886
1974	34	215	507	56,143	8,082	75,784	49,048	189,564
1975	6	11	0	1,349	34	2,060	178	3,621
1976	46	271	0	2,460	41	573,484	31,397	607,382
1977	34	136	12	13,053	1,006	164,621	14,898	193,590
1978	53	709	196	50,940	44,277	1,883,690	213,020	2,192,123
1979	71	1,067	962	170,119	327,987	3,165,434	150,660	3,815,162
1980	70	1,199	1,484	230,186	237,857	1,978,900	420,827	2,869,254
1981	69	1,104	4,182	137,337	135,502	2,174,069	654,717	3,105,807
1982	67	1,155	2,204	69,471	209,984	2,448,903	596,184	3,326,746
1983	69	998	7,769	206,002	97,636	1,042,568	412,303	1,766,278
1984	69	894	3,619	138,955	225,172	2,884,707	444,728	3,697,181
1985	69	916	539	110,864	118,610	2,457,622	328,562	3,016,197
1986	67	1,061	3,299	303,413	200,360	1,893,638	668,909	3,069,619
1987	78	836	3,540	192,997	164,486	874,323	490,339	1,725,685
1988	72	1,394	6,096	359,728	370,656	4,312,986	606,697	5,656,163
1989	84	1,079	3,392	382,429	292,333	4,696,630	306,319	5,681,103
1990	82	951	5,359	379,620	215,797	1,310,643	442,490	2,353,909
1991	78	824	1,650	147,797	162,791	3,967,287	288,033	4,567,558
1992	74	757	2,904	161,687	245,368	2,925,519	276,400	3,611,878
1993	64	849	3,318	180,279	134,909	5,671,206	147,201	6,136,913
1994	72	465	1,022	90,821	153,006	1,264,245	296,870	1,805,964
1995	72	929	1,483	277,432	175,972	6,871,880	398,403	7,725,170
Average 1976-95	68	880	2,652	180,280	175,688	2,628,118	359,448	3,346,184
Average 1986-95	74	915	3,206	247,620	211,568	3,378,836	392,166	4,233,396

[a] Salmon numbers exclude test fish harvests.

[b] Drift gillnet landings comprising of 1 chinook, 600 sockeye, 9 coho, 9,310 pink, and 4,157 chum salmon were reassigned as purse seine landings.

Appendix D.9. Southeastern District post June set gillnet salmon harvest by species, July 1-October 31, 1970-95.

			Number of Salmon					
Year	Permit	Landing	Chinook	Sockeye	Coho	Pink	Chum	Total
1970	22	186	8	19,078	667	15,936	20,470	56,159
1971	22	226	39	36,897	202	6,846	15,865	59,849
1972	16	127	16	10,605	139	3,627	8,736	23,123
1973	21	196	2	25,807	218	3,351	6,561	35,939
1974	34	243	25	51,307	159	8,397	4,803	64,691
1975	7	14	0	1,807	29	960	592	3,388
1976	19	66	8	8,365	160	5,305	1,367	15,205
1977	20	163	16	26,046	1,069	6,027	6,766	39,924
1978	24	262	15	17,275	2,929	22,821	19,730	62,770
1979	35	492	66	86,173	10,366	72,231	23,975	192,811
1980	35	666	56	100,462	16,148	50,485	62,940	230,091
1981	37	802	128	136,908	4,861	101,103	65,447	308,447
1982	41	1,003	165	65,698	13,653	94,904	77,672	252,092
1983	45	1,083	154	226,806	13,164	36,858	54,879	331,861
1984	53	1,417	361	233,289	15,694	200,857	71,796	521,997
1985	50	890	49	76,585	10,128	187,495	42,293	316,550
1986	48	1,166	128	219,897	6,101	94,508	53,891	374,525
1987	56	1,173	136	162,840	17,550	46,971	61,593	289,090
1988	55	1,685	208	215,563	21,083	264,157	67,443	568,454
1989	61	1,700	245	311,087	30,748	331,924	64,335	738,339
1990	67	1,399	379	321,093	21,896	41,519	57,651	442,538
1991	64	1,692	579	276,036	29,927	292,731	115,610	714,883
1992	61	1,858	251	305,481	40,116	358,829	58,243	762,920
1993	64	1,674	464	276,739	26,545	316,659	39,315	659,722
1994	62	1,687	339	303,522	49,440	195,419	73,475	622,195
1995	60	1,749	437	351,380	33,804	565,620	86,444	1,037,685
Average 1976-95	48	1,131	209	186,062	18,269	164,321	55,243	424,105
Average 1986-95	60	1,578	317	274,364	27,721	250,834	67,800	621,035

Appendix D.10. Southeastern District Mainland sockeye salmon harvest by gear, through July 25, 1970-95[a]

	Catch by Gear				
	Set Net		Purse Seine		Total
Year	Number	Percent	Number	Percent	Catch
1970	80,692	95.4	3,904	4.6	84,596
1971	60,767	95.9	2,587	4.1	63,354
1972	19,491	92.4	1,614	7.6	21,105
1973	46,141	97.9	976	2.1	47,117
1974	66,101	74.9	22,129	25.1	88,230
1975	1,807	57.3	1,349	42.7	3,156
1976	52,414	90.2	5,712	9.8	58,126
1977	30,658	70.5	12,827	29.5	43,485
1978	28,930	92.7	2,267	7.3	31,197
1979	77,604	87.5	11,136	12.5	88,740
1980	89,743	93.0	6,729	7.0	96,472
1981	181,698	90.1	20,013	9.9	201,711
1982	79,442	91.5	7,351	8.5	86,793
1983	213,051	71.0	87,107	29.0	300,158
1984	567,043	95.3	28,000	4.7	595,043
1985	78,347	96.8	2,610	3.2	80,957
1986	196,545	95.2	9,987	4.8	206,532
1987	244,413	99.8	482	0.2	244,895
1988	77,204	95.1	3,956	4.9	81,160
1989	46,977	52.7	42,247	47.3	89,224
1990	85,368	52.0	78,660	48.0	164,028
1991	275,768	95.2	13,959	4.8	289,727
1992	214,638	99.6	806	0.4	215,444
1993	186,656	88.5	24,271	11.5	210,927
1994	221,657	100.0	0	0.0	221,657
1995	139,515	87.5	19,866	12.5	159,381
Average 1976-95	154,384	89.1	18,899	10.9	173,283
Average 1986-95	168,874	89.7	19,423	10.3	188,298

[a] Only set gillnet gear is allowed prior to July 11 since 1978 season.

Appendix D.11. Chignik sockeye salmon contribution to the Southeastern District Mainland harvest, by gear, through July 25, 1970-95.[a]

	Catch by Gear				
	Set Net		Purse Seine		Total
Year	Number	Percent	Number	Percent	Catch
1970	63,688	94.2	3,894	5.8	67,582
1971	48,575	95.9	2,066	4.1	50,641
1972	15,593	92.4	1,291	7.6	16,884
1973	36,870	98.0	743	2.0	37,613
1974	52,798	81.8	11,766	18.2	64,564
1975	1,126	51.1	1,079	48.9	2,205
1976	40,399	93.2	2,957	6.8	43,356
1977	23,924	76.0	7,574	24.0	31,498
1978	20,174	91.9	1,778	8.1	21,952
1979	50,610	91.4	4,742	8.6	55,352
1980	58,190	91.5	5,380	8.5	63,570
1981	106,811	87.6	15,059	12.4	121,870
1982	57,646	91.8	5,121	8.2	62,767
1983	157,831	69.4	69,561	30.6	227,392
1984	404,738	95.7	18,330	4.3	423,068
1985	49,523	96.3	1,898	3.7	51,421
1986	110,572	93.7	7,434	6.3	118,006
1987	146,636	99.8	250	0.2	146,886
1988	16,465	85.2	2,855	14.8	19,320
1989	4,371	97.5	114	2.5	4,485
1990	65,671	51.1	62,928	48.9	128,599
1991	152,454	99.8	260	0.2	152,714
1992	93,564	99.7	281	0.3	93,845
1993	109,119	84.9	19,417	15.1	128,536
1994	142,350	100.0	0	0.0	142,350
1995	73,864	83.6	14,438	16.4	88,302
Averages 1976-95	94,246	88.7	12,019	11.3	106,264
Averages 1986-95	91,507	89.4	10,798	10.6	102,304

[a] From 1970-91, the Chignik contribution is 80% of the sockeye salmon harvested in Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats, and East Stepovak Sections.

From 1992-94, the Chignik contribution is 80% of the sockeye salmon harvested in the Southeastern District Mainland fishery except Orzinski Bay where 100% of the sockeye salmon are considered local production.

Appendix D.12. Harvest of Chignik bound sockeye salmon in the Chignik, Cape Igvak, and Southeastern District Mainland Areas from 1964-95[a].

Year	Chignik Area Catch	Chignik Area Percent	Cape Igvak Catch	Cape Igvak Percent	Southeastern District Mainland Area Catch	Southeastern District Mainland Area Percent	Total
1964[b]	556,890	90.57	14,980	2.44	43,021	7	614,891
1965	599,553	89.94	11,021	1.65	56,020	8.4	666,594
1966	219,794	87.99	18,003	7.21	12,011	4.81	249,808
1967	462,000	91.48	23,014	4.56	20,021	3.96	505,035
1968	977,382	82.53	135,951	11.48	70,959	5.99	1,184,292
1969	394,135	78.96	97,982	19.63	7,013	1.41	499,130
1970[c]	1,325,734	72.51	434,394	23.76	68,181	3.73	1,828,309
1971	1,016,136	80.33	197,614	15.62	51,272	4.05	1,265,022
1972	378,218	87.99	33,865	7.88	17,752	4.13	429,815
1964-72 catch and percentage figures are total for the entire season. Catch figures and percentages after 1972 are only through July 25.							
1973[d]	769,258	89.01	57,348	6.64	37,613	4.35	864,219
1974	530,278	73.97	122,071	17.03	64,564	9.01	716,913
1975	115,984	81.78	23,635	16.67	2,205	1.55	141,824
1976	792,024	83.08	117,926	12.37	43,356	4.55	953,306
1977	1,547,285	90.61	128,852	7.55	31,498	1.84	1,707,635
1978[e,f]	1,454,389	85.38	227,014	13.33	21,952	1.29	1,703,355
1979[g]	794,504	91.98	13,950	1.61	55,352	6.41	863,806
1980	670,001	91.33	32	0.00	63,570	8.67	733,603
1981	1,606,300	79.88	282,727	14.06	121,870	6.06	2,010,897
1982	1,250,768	84.46	167,401	11.30	62,767	4.24	1,480,936
1983	1,450,832	72.68	318,048	15.93	227,392	11.39	1,996,272
1984	2,474,405	73.93	449,372	13.43	423,068	12.64	3,346,845
1985[h]	696,169	79.91	123,627	14.19	51,421	5.90	871,217
1986	1,456,729	82.64	188,017	10.67	118,006	6.69	1,762,752
1987	1,659,915	77.98	321,746	15.12	146,886	6.90	2,128,547
1988	678,912	95.70	11,218	1.58	19,320	2.72	709,450
1989	502,477	99.12	0	0.00	4,485	0.88	506,962
1990	1,211,097	83.67	107,706	7.44	128,599	8.88	1,447,402
1991[i]	1,966,986	80.48	324,329	13.27	152,714	6.25	2,444,029
1992[j]	1,066,732	81.25	152,358	11.60	93,845	7.15	1,312,935
1993	1,500,459	77.78	300,055	15.55	128,536	6.66	1,929,050
1994[k]	1,641,574	80.70	250,230	12.30	142,350	7.00	2,034,154
1995	1,033,808	80.04	169,530	13.13	88,302	6.84	1,291,640

[a] The Cape Igvak and Southeastern District Mainland figures represent 80% of the total sockeye catches for those areas as it is estimated that roughly 80% of the sockeye caught in the Cape Igvak Section and the Southeast District Mainland Area (excluding sockeye caught in Northwest Stepovak Section from 1964-1991 and in Orzinski Bay in 1992) are destined for Chignik.

-Continued-

[b] The data from 1964-1972 are based on total yearly catches. Prior to 1973, Cape Igvak and Southeastern District Mainland fisheries were set by regulation to weekly fishing periods, usually 5 days per week. Tim modifications were implemented when poor escapements occurred at Chignik.

[c] Catches (1970-1992) were updated using historical electronic fish ticket databases.

[d] During 1973-1977 all three fisheries were managed on a day by day basis.

[e] From 1978-1991, the Cape Igvak Fishery management Plan allocated 15 percent of the total sockeye catch destined for Chignik.

[f] During 1978, seining prior to July 11 was disallowed in the Southeastern District Mainland. The set gillnet fishery was allowed to fish 3 days per week through July 10 after which the fishery was managed on the basis of local stocks.

[g] During 1979-1984 and prior to July 11, fishing was allowed 5 days per week in the Southeastern District Mainland Area with a ceiling of an estimated 60,000 sockeye destined for Chignik. If the Chignik Area sockeye catch was 1,000,000 or more before July 11, the 60,000 ceiling was to be dropped.

[h] Beginning in 1985, Southeastern District Mainland Area (excluding the Northwest Stepovak Section from 1964-1991 and Orzinski Bay statistical area) was placed on an allocation of 6.2 percent of the total estimated Chignik sockeye catch through July 25. After July 25, the Southeastern District Mainland is managed on a local stock basis. The allocation changed to 6.0 percent beginning in 1988. Seining is still not allowed prior to July 11.

[i] Includes overescapement of 278,305 sockeye counted past the weir during the Chignik Area seiners' boycott (Jun 23-Jul 4).

[j] Review of Orzinski Lake historical and current escapement records led the Alaska Board of Fisheries to redefine the Southeastern District Mainland Management Plan. Beginning in 1992, the Southeastern District Mainland fishery (excluding Orzinski Bay) was placed on an allocation of 7.0 percent of the total estimated Chignik sockeye catch through July 25.

[k] Includes overescapement of 208,921 sockeye counted past the weir during the Chignik Area seiners' strike (Jun 22-June 25).

Appendix D.13. Total Chignik Management Area and 80 percent of the sockeye harvest in the Cape Igvak and Southeastern District Mainland Areas, 1964-95.[a]

	Harvest to July 25 Only				Harvest For Entire Season			
Year	Chignik	Cape Igvak	Southeastern Mainland	Total	Chignik	Cape Igvak	Southeastern Mainland	Total
1964	-	-	-	-	556,890	14,980	43,021	614,891
1965	-	-	-	-	599,553	11,021	56,020	666,594
1966	-	-	-	-	219,794	18,003	12,011	249,808
1967	-	-	-	-	462,000	23,014	20,021	505,035
1968	-	-	-	-	977,382	135,951	70,959	1,184,292
1969	-	-	-	-	394,135	97,982	7,013	499,130
1970	-	-	-	-	1,325,734	434,394	68,181	1,828,309
1971	-	-	-	-	1,016,136	197,614	51,272	1,265,022
1972	-	-	-		378,218	33,865	17,752	429,835
1973	769,258	57,348	37,613	864,219	870,354	57,348	38,266	965,968
1974	530,278	122,071	64,564	716,913	662,905	122,071	65,514	850,490
1975	115,984	23,635	2,205	141,824	399,593	23,635	2,205	425,433
1976	792,024	117,926	43,356	953,306	1,163,728	117,978	44,781	1,326,487
1977	1,547,285	128,852	31,498	1,707,635	1,972,207	128,852	35,401	2,136,460
1978	1,454,389	227,014	21,952	1,703,355	1,576,283	227,052	23,990	1,827,325
1979	794,504	13,950	55,352	863,806	1,049,497	20,436	82,153	1,152,086
1980	670,001	32	63,570	733,603	859,966	631	88,046	948,643
1981	1,606,300	282,727	121,870	2,010,897	1,839,469	284,211	166,034	2,289,714
1982	1,250,768	167,401	62,767	1,480,936	1,521,686	168,295	86,849	1,776,830
1983	1,450,832	318,048	227,392	1,996,272	1,824,175	323,004	297,429	2,444,608
1984	2,474,405	449,372	423,068	3,346,845	2,660,619	450,066	487,938	3,598,623
1985	696,169	123,627	51,421	871,217	922,151	125,134	93,206	1,140,491
1986	1,456,729	188,017	118,006	1,762,752	1,645,834	188,129	147,056	1,981,019
1987	1,659,915	321,746	146,886	2,128,547	1,898,838	344,357	188,983	2,432,178
1988	678,912	11,218	19,320	709,450	795,841	28,783	79,101	903,725
1989	502,477	-	4,485	506,962	1,159,287	-	138,594	1,297,881
1990	1,211,097	107,706	128,599	1,447,402	2,093,650	133,821	216,944	2,444,415
1991[b]	1,966,986	324,329	152,714	2,444,029	2,173,970	341,869	228,934	2,744,773
1992	1,066,732	152,358	93,845	1,312,935	1,277,449	156,318	177,713	1,611,480
1993	1,500,459	300,055	128,536	1,929,050	1,697,351	329,905	222,591	2,249,847
1994[c]	1,641,574	250,230	142,350	2,034,154	1,827,894	257,830	226,562	2,312,286
1995	1,033,808	169,530	88,302	1,291,640	1,724,357	197,696	269,804	2,191,857

a Catches (1970-1992) were updated using historic electronic fish ticket databases.

b Includes overescapement of 278,305 sockeye counted past the weir during the Chignik Area Seiners' boycott (Jun 23-Jul 4).

c Includes overescapement of 208,921 sockeye counted past the weir during the Chignik Area Seiners' strike (Jun 22-Jun 25).

Appendix D.14. Southeastern District Mainland fishery, annual CFEC permits and number of landings by gear type, 1970-95.

	Purse Seine		Set Gillnet		Total	
Year	Permits	Landings	Permits	Landings	Permits	Landings
1970	35	127	17	273	46	411
1971	41	216	15	269	48	485
1972	24	43	15	167	34	210
1973	13	22	16	167	24	189
1974	20	100	31	262	42	362
1975	6	11	7	14	13	25
1976	44	167	19	174	62	341
1977	34	136	21	190	54	326
1978	45	196	23	235	68	431
1979	49	247	33	437	82	684
1980	40	143	31	598	69	741
1981	50	365	35	923	87	1,288
1982	48	343	41	1,167	89	1,510
1983	49	260	43	1,259	92	1,519
1984	55	292	57	2,171	112	2,463
1985	42	245	49	864	91	1,109
1986	42	150	47	927	89	1,077
1987	49	160	55	942	104	1,102
1988	55	254	49	784	104	1,038
1989	75	428	48	832	123	1,260
1990	74	228	58	683	132	911
1991	70	348	63	1,352	133	1,700
1992	59	178	60	1,267	119	1,445
1993	62	363	65	1,401	127	1,764
1994	61	106	61	1,302	122	1,408
1995	56	254	62	1,464	118	1,718
Average 1976-95	53	243	46	949	99	1,192
Average 1986-95	60	247	57	1,095	113	1,387

Appendix D.15. Southeastern District Mainland sockeye salmon catch, by gear, for the entire season, 1970-95.[a]

	Catch by Gear				
	Set Net		Purse Seine		
Year	Number	Percent	Number	Percent	Total Catch
1970	81,259	95.1	4,158	4.9	85,417
1971	61,037	95.1	3,141	4.9	64,178
1972	19,957	89.9	2,233	10.1	22,190
1973	46,586	97.2	1,346	2.8	47,932
1974	66,200	74.0	23,219	26.0	89,419
1975	1,807	57.3	1,349	42.7	3,156
1976	54,190	90.4	5,725	9.6	59,915
1977	35,410	73.1	13,053	26.9	48,463
1978	30,229	87.1	4,462	12.9	34,691
1979	89,863	71.2	36,270	28.8	126,133
1980	115,978	89.0	14,344	11.0	130,322
1981	226,820	87.4	32,719	12.6	259,539
1982	109,867	93.1	8,165	6.9	118,032
1983	284,735	72.2	109,489	27.8	394,224
1984	617,011	90.7	63,634	9.3	680,645
1985	119,672	86.8	18,219	13.2	137,891
1986	224,333	91.4	21,178	8.6	245,511
1987	290,042	96.9	9,421	3.1	299,463
1988	125,509	79.2	32,865	20.8	158,374
1989	151,745	53.8	130,549	46.2	282,294
1990	158,065	57.0	119,395	43.0	277,460
1991	336,238	84.8	60,417	15.2	396,655
1992	283,927	86.8	43,267	13.2	327,194
1993	271,750	82.1	59,265	17.9	331,015
1994	305,447	92.5	24,832	7.5	330,279
1995	315,754	79.0	83,721	21.0	399,475
Average 1976-95	207,329	82.3	44,550	17.7	251,879
Average 1986-95	246,281	80.8	58,491	19.2	304,772

[a] Set gillnet gear only prior to July 11 since 1978 season.

Appendix D.16. Estimated Orzinski sockeye salmon runs and total Southeastern District Mainland sockeye salmon harvest, 1935-95.

Year	Escapement	Orzinski and American Bay Catch	Balance of Suzy Creek Dent Point Catch	Total Suzy Creek Dent Point Catch	Total Orzinski Run	Total Southeastern Mainland Catch
1935[a]	28,474					
1936[a]	31,720					
1937[a]	15,393					
1938[a,b]	8,675					
1939[a]	10,414					
1940[a]	16,414					
1941[a]	8,241					
1942-61	No data available.					
1962	5,000[c]					
1963	7,600[c]					
1964	5,800[c]					
1965	6,000[c]					
1966	10,000[c]					
1967	6,200[c]					
1968	3,600[c]					
1969	19,200[c]					
1970	4,500[c]					
1971	11,000[c]					
1972	6,500[c]					
1973	1,200[c]					
1974	61,500[c]					
1975	22,300[c]					
1976	29,600[c]					
1977	17,000[c]					
1978	22,000[c]					
1979	20,000[c]					
1980	12,000[c]					
1981	18,000[c]	19,385	32,612	51,997	69,997[f]	259,539
1982	9,000[c]	6,079	3,392	9,471	18,471[f]	118,032
1983	21,300[c]	10,814	11,624	22,438	43,738[f]	394,224
1984	18,600[c]	18,603	52,119	70,722	89,322[f]	680,645
1985	14,000[c]	5,061	16,322	21,383	35,383[f]	137,891
1986	10,300[c]	12,455	49,236	61,691	71,991[f]	245,511
1987	11,400[c]	14,463	48,771	63,234	74,634[f]	299,463
1988	19,300[c]	14,462	45,036	59,498	78,798[f]	158,374
1989	16,700[c]	18,476	90,576	109,052	125,752[f]	282,294
1990	15,000[d]	1,257	5,023	6,280	21,280[f]	277,460
1991	40,000[d]	50,496	59,991	110,487	150,487[f]	396,655
1992	25,000[d]	105,050[e]	23,539	128,589	130,050[g]	327,194
1993	24,717[d]	52,776[e]	37,894	90,670	77,493[g]	331,015
1994	38,000[g]	47,077[e]	60,628	107,705	85,077[g]	330,279
1995	30,000[g]	62,220[e]	42,686	104,906	92,220[g]	399,475

- Footnotes contined on next page -

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[a] Weir was used to count escapement.

[b] In 1938, adverse weather conditions may have caused only part of the run to be counted.

[c] Escapement counts are indexed total escapements and are likely lower than the actual total.

[d] Escapement count is the sum of weir counts plus aerial surveys conducted after the weir was removed.

[e] Catch number is for Orzinski Bay only.

[f] The total Orzinski run is escapement plus total Suzy Creek to Dent Point catch.

Appendix D.17. Southeastern District Mainland fishery, excluding Orzinski Bay, estimated harvest of Chignik destined sockeye salmon for the entire season, 1970-95.

	Catch by Gear				
	Set Gillnet		Purse Seine		
Year	Number	Percent	Number	Percent	Total Catch
1970	64,920	95.2	3,261	4.8	68,181
1971	48,759	95.1	2,513	4.9	51,272
1972	15,966	89.9	1,786	10.1	17,752
1973	37,226	97.3	1,039	2.7	38,265
1974	52,877	80.7	12,638	19.3	65,515
1975	1,126	51.1	1,079	48.9	2,205
1976	41,820	93.4	2,961	6.6	44,781
1977	27,646	78.1	7,754	21.9	35,400
1978	21,140	88.1	2,850	11.9	23,990
1979	59,188	72.0	22,965	28.0	82,153
1980	77,500	88.0	10,546	12.0	88,046
1981	140,857	84.8	25,177	15.2	166,034
1982	81,391	93.7	5,458	6.3	86,849
1983	211,001	70.9	86,428	29.1	297,429
1984	441,758	90.5	46,181	9.5	487,939
1985	79,521	85.3	13,686	14.7	93,207
1986	130,744	88.9	16,312	11.1	147,056
1987	181,589	96.1	7,394	3.9	188,983
1988	53,166	67.2	25,935	32.8	79,101
1989	76,599	55.3	61,994	44.7	138,593
1990	121,534	56.0	95,410	44.0	216,944
1991	193,010	84.3	35,924	15.7	228,934
1992	143,466	80.7	34,250	19.3	177,716
1993	175,201	78.7	47,390	21.3	222,591
1994	206,696	91.2	19,866	8.8	226,562
1995	204,282	75.7	65,522	24.3	269,804
Averages					
1976-95	133,405	80.8	31,700	19.2	165,106
1986-95	148,629	78.4	41,000	21.6	189,628

[a] From 1970-91, the Chignik contribution is 80% of the sockeye salmon harvested in Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats and East Stepovak Sections.

[b] From 1992-95, the Chignik contribution is 80% of the sockeye salmon harvested in the Southeastern District Mainland fishery except Orzinski Bay where 100% of the sockeye salmon are considered local production.

Appendix D.18. Orzinski Bay salmon harvest, all gear combined, by species and day, 1995.

			Number of Salmon					
Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
8-Jul	12	12	2	2,064	1	28	68	2,163
9-Jul	22	30	0	4,067	0	29	108	4,204
11-Jul	24	25	0	4,207	0	36	19	4,262
12-Jul	25	27	1	2,811	0	46	19	2,877
13-Jul	16	22	0	2,114	1	27	15	2,157
14-Jul	15	22	0	3,845	2	48	22	3,917
15-Jul	14	29	0	3,488	0	58	35	3,581
16-Jul	16	24	1	3,190	0	67	30	3,288
17-Jul	14	20	0	3,439	0	96	31	3,566
18-Jul	13	23	1	5,665	0	235	110	6,011
19-Jul	8	14	0	3,411	0	339	93	3,843
20-Jul	6	11	0	1,551	0	390	70	2,011
21-Jul	5	11	0	1,855	0	458	97	2,410
22-Jul	7	9	0	2,647	0	1,106	235	3,988
23-Jul	9	10	0	1,447	0	313	70	1,830
24-Jul	9	10	0	1,580	0	321	57	1,958
25-Jul	8	10	0	1,623	1	416	48	2,088
26-Jul	5	7	0	2,505	0	1,450	47	4,002
27-Jul	5	5	0	1,166	1	665	170	2,002
28-Jul	6	6	0	2,299	10	1,894	729	4,932
29-Jul	6	6	0	1,071	0	1,105	164	2,340
30-Jul	6	6	0	996	0	829	89	1,914
31-Jul	6	6	0	1,899	1	1,353	84	3,337
1-Aug	4	6	0	1,411	0	2,370	385	4,166
2-Aug	4	5	0	653	0	1,210	239	2,102
9-Aug	1	1	0	74	0	333	96	503
10-Aug	1	2	0	325	5	1,346	406	2,082
14-Aug	2	3	0	389	0	1,191	124	1,704
16-Aug	2	3	0	228	8	979	130	1,345
6-Sep	1	1	0	200	30	0	12	242
Total	30	366	5	62,220	60	18,738	3,802	84,825
Through July 25	30	309	5	49,004	5	4,013	1,127	54,154

Appendix E.1. South Peninsula emergency order summary, 1995.

EMERGENCY ORDER NO. 4-FS-M-CB-01-95
EFFECTIVE DATE: June 1, 1995

EXPLANATION: This emergency order:

(1) Delays the commercial salmon season until June 26 in the Urilia Bay Section.

(2) Closes all Sanak Island waters to commercial salmon fishing through June 30. This includes all waters south of the latitude of Hague Rock and east of the longitude of Cape Pankof south of the latitude of Hague Rock.

JUSTIFICATION: The early portion of the Urilia Bay sockeye run has been weakened by intense early fishing pressure in the past. Delaying the fishery until June 26, or until the escapement justifies an earlier fishery, is necessary to rebuild the early portion of the run.

The area around Sanak Island has produced high chum to sockeye ratios in the past. There is a limit to the number of chum salmon that can be taken in the South Unimak and Shumagin Island June Fisheries. This means that the Fishery will close before the sockeye allocation is reached if the chum limit is reached first.

Historically commercial salmon fishing records indicate a very limited to non-existent fishing effort around Sanak Island, although in 1990 and 1991, fishing interest increased. Even though the fishing effort was light (i.e. less than four boats) the corresponding catch per unit of effort combined with the high chum per sockeye ratio could result in substantial numbers of chum salmon being harvested, if effort were to increase.

EMERGENCY ORDER NO. 4-F-M-SP-37-95
EFFECTIVE DATE: 8:00, a.m., Saturday, June 10, 1995

EXPLANATION: This emergency order changes the required 36 hour notice as given in the Southeastern District Mainland Salmon Management Plan (Alaska Peninsula Area), 1995, to a 24 hour notice prior to the first commercial salmon fishing period in the Southeastern District Mainland fishery: East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

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Sockeye escapements past the Chignik weir on June 8 were 8,914 salmon for a total escapement of 29,872. On June 9, Chignik is expected to have an escapement of about 10,000 salmon. This level of escapement should exceed the 40,000 Chignik sockeye escapement goal by June 12. It is anticipated that Chignik will have a commercial salmon fishing period soon.

A reduction in the required hours of notice prior to the first opening to 24 hours is necessary to allow for the optimum opportunity for Area M set gillnet fishers to harvest the 7% allocation of Chignik destined sockeye salmon as outlined in the Southeastern District Mainland Management Plan.

EMERGENCY ORDER NO. 4-F-M-SP-38-95
EFFECTIVE DATE: 10:00, p.m., Saturday, June 10, 1995

EXPLANATION: This emergency order changes the required 24 hour notice (Emergency Order Number 4-F-M-SP-37-95), to a 12 hour notice prior to the first commercial salmon fishing period in the Southeastern District Mainland fishery: East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

Sockeye escapements past the Chignik weir on June 9 were 14,873 salmon for a total escapement of 44,745. The June 12 escapement goal of 40,000 salmon has been achieved. This level of daily escapement should also exceed the 50,000-65,000 escapement goal of June 14. Test fishing in Chignik Lagoon today should give the department information on any build-up of fish in the lagoon.

It is anticipated that Chignik will have a commercial salmon fishing period soon.

A reduction in the required hours of notice prior to the first opening to 12 hours is necessary to allow for the optimum opportunity for Area M set gillnet fishers to harvest the 7% allocation of Chignik destined sockeye salmon as outlined in the Southeastern District Mainland Management Plan.

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EMERGENCY ORDER NO. 4-F-M-SP-39-95
EFFECTIVE DATE: 3:00 p.m., Sunday, June 11, 1995

EXPLANATION: This emergency order allows a 24 hour salmon fishing period from 3:00 p.m. Sunday, June 11, 1995 until 3:00 p.m. Monday, June 12, 1995 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point 55^{0}41'55" N.lat., 160^{0}03'12" W.long., to Waterfall Point 55^{0}43'11" N.lat., 160^{0}01'08" W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

The sockeye salmon daily escapement at Chignik, as of 9:00 p.m. June 10, was about 25,000 salmon for a total sockeye escapement of about 70,000 salmon. The first run escapement goal of 40,000 sockeye salmon by June 12 is assured and the second goal of 65,000 by June 14 is also assured.

In the Chignik Management Area, the Chignik Bay, Eastern, and Central Districts will open to commercial salmon fishing at 2:00 p.m., Sunday, June 11.

At this time, ADF&G believes a harvestable surplus beyond the escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000 and the departments feels that the early run is as strong as predicted.

A 24 hour fishing period from 3:00 p.m., Sunday, June 11 until 3:00 p.m., Monday, June 12 in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin in strength until the end of June. Currently, no salmon have passed through the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

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EMERGENCY ORDER NO. 4-FS-M-CB-02-95
EFFECTIVE DATE: 6:00 a.m. June 13, 1995

EXPLANATION: A 6:00 a.m. until 3:00 p.m. commercial salmon fishing period is established for seine and drift gillnet gear in the South Unimak Fishery during Tuesday, June 13. A 6:00 a.m. until 10:00 p.m. fishing period is established for set gillnet gear in the South Unimak Fishery during Tuesday, June 13.

JUSTIFICATION: The South Unimak Fishery is allocated 2,987,000 sockeye salmon under a management plan adopted by the Alaska Board of Fisheries. The South Unimak and Shumagin Islands June Fisheries are restricted by a 700,000 Alaska Board of Fisheries adopted chum salmon harvest ceiling. No fishing has occurred yet due to poor sockeye to chum ratios in test fishing in the Shumagin Islands and varied test fish results at South Unimak. The normal peak of the sockeye run past South Unimak is nearing and fishing time is needed for the fishermen to harvest their allocation. A 9 hour fishing period for seine and drift gillnet gear will allow the fishermen to test the run and harvest sockeye without catching an unacceptable high number of chum should the sockeye to chum ratio be poor (the tide conditions are not optimum for harvesting salmon). Set net gear is guaranteed 16 hour fishing period if the fishing periods for other gear types is less than 16 hours as listed under (g) in the Board of Fisheries adopted management plan.

EMERGENCY ORDER NO. 4-F-M-SP-40-95
EFFECTIVE DATE: 6:00 a.m., Tuesday, June 13, 1995

EXPLANATION: This emergency order allows a 9 hour commercial salmon purse seine fishing period from 6:00 a.m. Tuesday, June 13 until 3:00 p.m. Tuesday, June 13 in the Shumagin Islands Section. This emergency order also allows a 16 hour commercial salmon set gillnet fishing period from 6:00 a.m. Tuesday, June 13 until 10:00 p.m., Tuesday, June 13 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

The entire 659,000 Shumagin Islands Section sockeye salmon guideline harvest level remains to be harvested. The June 12 test fishery resulted in a favorable sockeye to chum salmon ratio of about 4.56 : 1.0.

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A nine hour purse seine fishing period from 6:00 a.m., Tuesday, June 13 until 3:00 p.m., Tuesday, June 13 in the Shumagin Islands Section should give purse seine fishers the opportunity to catch enough fish to determine whether or not favorable sockeye to chum salmon ratios are realized in the commercial fishery. If favorable ratios are realized the purse seine fishery could be extended.

Based upon subsection (g) of the June salmon management plan, set gillnet fishers will be allowed fishing periods of not less than 16 hours, unless a fishing period over 16 hours will result in a harvest that exceeds the 700,000 chum salmon maximum incidental annual harvest or exceeds the sockeye salmon allocation. Set gillnet fishers will have a 16 hour fishing period from 6:00 a.m., Tuesday, June 13 until 10:00 p.m., Tuesday, June 13 in the Shumagin Islands Section.

EMERGENCY ORDER NO. 4-FS-M-CB-03-95
EFFECTIVE DATE: 3:00 p.m. June 13, 1995

EXPLANATION: This emergency order extends the commercial salmon fishing period seven hours until 10:00 p.m. June 13 for seine and drift gillnet gear in the Cape Lutke Section.

JUSTIFICATION: Fishermen are reporting high sockeye per chum salmon ratios (most reports were greater than 4 to 1) in the Cape Lutke Section. Reports from the balance of the South Unimak fishery indicate that sockeye to chum abundance is much lower than at Cape Lutke. The South Unimak June fishery targets sockeye but is limited by a 700,000 chum salmon cap. More fishing time should be allowed to harvest sockeye at Cape Lutke while the fishery should close as scheduled by emergency order 4-FS-M-CB-02-95 in the balance of the South Unimak Fishery.

EMERGENCY ORDER NO. 4-F-M-SP-42-95
EFFECTIVE DATE: 3:00 p.m., Tuesday, June 13, 1995

EXPLANATION: This emergency order extends the current purse seine fishing period in the Shumagin Islands Section (current fishing period is from 6:00 a.m. through 3:00 p.m. Tuesday, June 13) for an additional 7 hours, from 3:00 p.m. Tuesday, June 13 until 10:00 p.m. Tuesday, June 13.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

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Results from a nine hour purse seine fishing period from 6:00 a.m., Tuesday, June 13 until 3:00 p.m., Tuesday, June 13 in the Shumagin Islands Section indicated that the ratio of sockeye to chum salmon in the fishery was favorable (ratios of 5 to 6 sockeye per chum salmon were reported). The volume of salmon harvested was reported as low.

To maximize fishing time during periods of favorable sockeye to chum salmon ratios the purse seine opening should be extended 7 hours until 10:00 p.m., Tuesday, June 13; the same closure time as set gillnet fishers in the Shumagin Islands Section.

EMERGENCY ORDER NO. 4-F-M-SP-43-95
EFFECTIVE DATE: 10:00 p.m., Tuesday, June 13, 1995

EXPLANATION: This emergency order extends the current salmon purse seine and set gillnet fishing period in the Shumagin Islands Section (current fishing period is through 10:00 p.m. Tuesday, June 13) for an additional 15 hours, from 10:00 p.m. Tuesday, June 13 until 1:00 p.m. Wednesday, June 14.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Results from a 16 hour purse seine and set gillnet fishing period from 6:00 a.m., Tuesday, June 13 until 10:00 p.m., Tuesday, June 13 in the Shumagin Islands Section indicated that the ratio of sockeye to chum salmon in the fishery was favorable (ratios of 5 to 7 sockeye per chum salmon were reported by purse seiners and 25 to 1 for the set gillneters). The volume of salmon harvested was reported as low.

To maximize fishing time during periods of favorable sockeye to chum salmon ratios the current fishing period for both gear groups should be extended 15 hours until 1:00 p.m., Wednesday, June 14.

EMERGENCY ORDER NO. 4-FS-M-CB-04-95
EFFECTIVE DATE: 4:00 p.m. June 14, 1995

EXPLANATION: This emergency order establishes three commercial salmon fishing periods: A 4:00 p.m. June 14 until 10:00 a.m. June 15 period in the Cape Lutke Section; A period in that portion of the South Unimak fishery located east of the Cape Lutke Section for seine and drift

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gillnet gear from 6:00 a.m. until 4:00 p.m. during Thursday June 15; and a period during June 15 from 6:00 a.m. until 10:00 p.m. for set gillnet gear in that portion of the South Unimak fishery east of the Cape Lutke Section.

JUSTIFICATION: The South Unimak June salmon fishery is allocated 2,987,000 sockeye. However, the South Unimak and Shumagin Island June fisheries are under a 700,000 chum salmon cap. During the fishing period of June 13, the sockeye to chum salmon ratio in the Cape Lutke Section was about 5 to 1 which was considerably higher than in the balance of the fishery. The Cape Lutke Section should reopen as soon as possible to take advantage of favorable sockeye to chum ratios. A 6:00 a.m. to 4:00 p.m. fishery on June 15 will enable fishermen to test the species ratio in the balance of the South Unimak fishery after a day's closure. Both portions of the fishery can be extended if reports from the grounds indicate that sockeye to chum ratios are high.

EMERGENCY ORDER NO. 4-F-M-SP-41-95
EFFECTIVE DATE: 5:00 p.m., Wednesday, June 14, 1995

EXPLANATION: This emergency order allows a 24 hour salmon fishing period from 5:00 p.m. Wednesday, June 14, 1995 until 5:00 p.m. Thursday, June 15, 1995 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point $55^0$41'55" N.lat., $160^0$03'12" W.long., to Waterfall Point $55^0$43'11" N.lat., $160^0$01'08" W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

The sockeye salmon daily escapement at Chignik, as of midnight June 12, was 6,238 salmon for a total sockeye escapement of 96,034 salmon. The first run escapement goal of 65,000 sockeye salmon by June 14 is assured and the June 16 goal has nearly achieved the upper goal of 75,000-100,000.

In the Chignik Management Area, the Chignik Bay, Eastern, and Central Districts has been open to continuous commercial fishing since 2:00 p.m., Sunday, June 11. Harvest to date in the Chignik Management Area is approximately 100,000 sockeye salmon.

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In the Kodiak Management Area, the Cape Igvak fishery opened to commercial salmon fishing at 12:01 a.m. Tuesday, June 13.

At this time, ADF&G believes a harvestable surplus beyond the escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000 and the departments feels that the early run is as strong as predicted.

A 24 hour fishing period from 5:00 p.m., Wednesday, June 14 until 5:00 p.m., Thursday, June 15 in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin in strength until the end of June. Currently, no salmon have passed through the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

EMERGENCY ORDER NO. 4-F-M-SP-44-95
EFFECTIVE DATE: 6:00 a.m., Thursday, June 15, 1995

EXPLANATION: This emergency order allows a 10 hour commercial salmon purse seine fishing period from 6:00 a.m. Thursday, June 15 until 4:00 p.m. Thursday, June 15 in the Shumagin Islands Section. This emergency order also allows a 16 hour commercial salmon set gillnet fishing period from 6:00 a.m. Thursday, June 15 until 10:00 p.m., Thursday, June 15 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for the June 13-14 period (these figures would be the same as the harvest to date figures) for the Shumagin Islands Section are 45,143 salmon composed of 1,023 chinook, 31,680 sockeye, 0 coho, 941 pink, and 11,499 chum salmon from 28 set gillnet and 37 purse seine deliveries; a ratio of 2.76 sockeye per chum salmon. About 629,000 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

A ten hour purse seine fishing period from 6:00 a.m., Thursday, June 15 until 4:00 p.m., Thursday, June 15 in the Shumagin Islands Section should give purse seine fishers the opportunity to catch enough fish to determine whether or not favorable sockeye to chum salmon ratios are realized in the commercial fishery. If favorable ratios are realized the purse seine fishery could be extended.

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Based upon subsection (g) of the June salmon management plan, set gillnet fishers will be allowed fishing periods of not less than 16 hours, unless a fishing period over 16 hours will result in a harvest that exceeds the 700,000 chum salmon maximum incidental annual harvest or exceeds the sockeye salmon allocation. Set gillnet fishers will have a 16 hour fishing period from 6:00 a.m., Thursday, June 14 until 10:00 p.m., Thursday, June 14 in the Shumagin Islands Section.

EMERGENCY ORDER NO. 4-FS-M-CB-05-95
EFFECTIVE DATE: 4:00 p.m. June 15, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time six hours for seine and drift gillnet gear in that portion of the South Unimak Fishery east of the Cape Lutke Section. A 6:00 a.m. until 4:00 p.m. commercial salmon fishing period is established for seine and drift gillnet gear in the Cape Lutke Section during June 16. A 6:00 a.m. until 10:00 p.m. fishing period is established for set gillnet gear in the Cape Lutke Section during June 16.

JUSTIFICATION: Reports from the grounds indicate that the sockeye to chum ratio in that portion of the South Unimak fishery east of the Cape Lutke Section is better than 5 to 1. The wind has switched to northerly direction which could further improve the sockeye to chum ratio. A six hour extension of the fishery at this time should enable the fishermen to harvest sockeye and minimize the catch of chum salmon. The percent of chums in the June 16 fishery at Cape Lutke should be low based on today's fishery to the east.

EMERGENCY ORDER NO. 4-F-M-SP-45-95
EFFECTIVE DATE: 5:00 p.m., Thursday, June 15, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point $55^0$41'55" N.lat., $160^0$03'12" W.long., to Waterfall Point $55^0$43'11" N.lat., $160^0$01'08" W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections. The current fishing period is through 5:00 p.m. Thursday, June 14; with the additional 24 hour extension the area will be open until 5:00 p.m. Friday, June 16.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

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The sockeye salmon daily escapement at Chignik, as of midnight June 14, was 3,674 salmon for a total sockeye escapement of 102,866 salmon. The first run escapement goal of 75,000-100,000 sockeye salmon by June 16 goal is assured.

In the Chignik Management Area, the Chignik Bay, Eastern, and Central Districts has been open to continuous commercial fishing since 2:00 p.m., Sunday, June 11. Harvest to date (through June 14) in the Chignik Management Area is approximately 179,000 sockeye salmon.

In the Kodiak Management Area, the Cape Igvak fishery opened to commercial salmon fishing at 12:01 a.m. Tuesday, June 13. Harvest to date (through June 14) is approximately 57,095 sockeye salmon.

At this time, ADF&G believes a harvestable surplus beyond the escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000 and the departments feels that the early run is as strong as predicted.

A 24 hour extension from 5:00 p.m., Thursday, June 15 until 5:00 p.m., Friday, June 16 in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin in strength until the end of June. Currently, no salmon have passed through the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

EMERGENCY ORDER NO. 4-FS-M-CB-06-95
EFFECTIVE DATE: 10:00 p.m. June 15, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 18 hours until 4:00 p.m. Friday, June 16 in that portion of the South Unimak Fishery east of the Cape Lutke Section.

JUSTIFICATION: Sockeye to chum salmon ratios in that portion of the South Unimak fishery east of the Cape Lutke Section continue to be very high (better than 5 to 1). More fishing time should be allowed at this time to allow fishermen to harvest their sockeye allocation while the chum salmon percentage is low.

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EMERGENCY ORDER NO. 4-F-M-SP-46-95
EFFECTIVE DATE: 6:00 a.m., Friday, June 16, 1995

EXPLANATION: This emergency order allows a 8 hour commercial salmon purse seine fishing period from 6:00 a.m. Friday, June 16 until 2:00 p.m. Friday, June 16 in the Shumagin Islands Section. This emergency order also allows a 16 hour commercial salmon set gillnet fishing period from 6:00 a.m. Friday, June 16 until 10:00 p.m., Friday, June 16 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for the June 13-14 period (these figures would be the same as the harvest to date figures) for the Shumagin Islands Section are 137,427 salmon composed of 2,172 chinook, 90,836 sockeye, 0 coho, 2,801 pink, and 41,618 chum salmon from 41 set gillnet and 80 purse seine deliveries; a ratio of 2.18 sockeye per chum salmon. About 568,000 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

June 15 Shumagin Islands Section purse seine harvest reports indicate a sockeye to chum salmon ratio of 2.0 : 1.0 or less in the fishery this morning with only slight improvement after mid-morning. The June 15 fishing period will close as scheduled.

A eight hour purse seine fishing period from 6:00 a.m., Friday, June 16 until 2:00 p.m., Friday, June 16 in the Shumagin Islands Section should give purse seine fishers the opportunity to catch enough fish to determine whether or not favorable sockeye to chum salmon ratios are realized in the commercial fishery. If favorable ratios are realized the purse seine fishery could be extended.

Based upon subsection (g) of the June salmon management plan, set gillnet fishers will be allowed fishing periods of not less than 16 hours, unless a fishing period over 16 hours will result in a harvest that exceeds the 700,000 chum salmon maximum incidental annual harvest or exceeds the sockeye salmon allocation. Set gillnet fishers will have a 16 hour fishing period from 6:00 a.m., Friday, June 16 until 10:00 p.m., Friday, June 16 in the Shumagin Islands Section.

EMERGENCY ORDER NO. 4-F-M-SP-47-95
EFFECTIVE DATE: 2:00 p.m., Friday, June 16, 1995

EXPLANATION: This emergency order extends the current commercial salmon purse seine fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Friday, June 16) for an additional 8 hours, from 2:00 p.m. Friday, June 16 until 10:00 p.m. Friday, June 16.

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JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Results from the first 6 hours of the purse seine fishing period from 6:00 a.m., Friday, June 16 until 2:00 p.m., Friday, June 16 in the Shumagin Islands Section indicated that the ratio of sockeye to chum salmon in the fishery was variable (ratios as low as 0.5:1.0 and as high as 5 to 6 sockeye per chum salmon were reported by purse seiners; the lowest ratios were mostly from sets made early this morning). The volume of salmon harvested was reported as low.

To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine gear should be extended 8 hours until 10:00 p.m., Friday, June 16; the same closure time as for set gillnet gear.

EMERGENCY ORDER NO. 4-FS-M-CB-07-95
EFFECTIVE DATE: 4:00 p.m. June 16, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time six hours until 10:00 p.m. Friday, June 16 in the South Unimak fishery.

JUSTIFICATION: The combined South Unimak - Shumagin Islands chum salmon harvest is 145,000 fish, well below the 700,000 cap. The South Unimak sockeye harvest is 351,000 fish compared to an allocation of 2,987,000. Reports from the grounds indicate that the sockeye to chum ratio in today's fishery is high. A six hour extension should be allowed at this time to give the fishermen an opportunity to harvest sockeye while the chum abundance is low.

EMERGENCY ORDER NO. 4-FS-M-CB-08-95
EFFECTIVE DATE: 10:00 p.m. June 16, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 18 hours until 4:00 p.m. Saturday, June 17 in the South Unimak fishery.

JUSTIFICATION: The sockeye to chum ratio in the South Unimak fishery remains high and more fishing time is needed to harvest the sockeye allocation. The combined South Unimak & Shumagin Is. chum salmon catch through June 15 is 550,000 below the cap.

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EMERGENCY ORDER NO. 4-F-M-SP-48-95
EFFECTIVE DATE: 10:00 p.m., Friday, June 16, 1995

EXPLANATION: This emergency order extends the current commercial salmon purse seine fishing period in the Shumagin Islands Section (current fishing period is through 10:00 p.m. Friday, June 16) for an additional 16 hours, from 10:00 p.m. Friday, June 16 until 2:00 p.m. Saturday, June 17.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures through June 15 for the Shumagin Islands Section are 225,839 salmon composed of 2,890 chinook, 153,413 sockeye, 1 coho, 5,664 pink, and 63,871 chum salmon from 52 set gillnet and 118 purse seine deliveries; an overall ratio of 2.4 sockeye per chum salmon. About 568,164 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from the 6:00 a.m. through 10:00 p.m., Friday, June 16 fishing period in the Shumagin Islands Section indicated that the ratio of sockeye to chum salmon, although variable from site to site, improved throughout the day. The volume of salmon harvested was reported as low.

To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 16 hours until 2:00 p.m., Saturday, June 17.

EMERGENCY ORDER NO. 4-F-M-SP-49-95
EFFECTIVE DATE: 2:00 p.m., Saturday, June 17, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Saturday, June 17) for an additional 8 hours, from 2:00 p.m. Saturday, June 17 until 10:00 p.m. Saturday, June 17.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures through June 16 for the Shumagin Islands Section are 303,362 salmon composed of 3,550 chinook, 212,754 sockeye, 2 coho, 8,760 pink, and 78,296 chum salmon from 76 set gillnet

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and 155 purse seine deliveries; an overall ratio of 2.72 sockeye per chum salmon. About 446,246 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this mornings fishing period, (Saturday, June 17) in the Shumagin Islands Section indicated that the ratio of sockeye to chum salmon, was about 3 to 5 sockeye per chum salmon. The volume of salmon harvested was reported as lower than during June 16.

To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 8 hours until 10:00 p.m., Saturday, June 17.

EMERGENCY ORDER NO. 4-F-M-SP-50-95
EFFECTIVE DATE: 10:00 p.m., Saturday, June 17, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 10:00 p.m. Saturday, June 17) for an additional 16 hours, from 10:00 p.m. Saturday, June 17 until 2:00 p.m. Sunday, June 18.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures through June 16 for the Shumagin Islands Section are 303,362 salmon composed of 3,550 chinook, 212,754 sockeye, 2 coho, 8,760 pink, and 78,296 chum salmon from 76 set gillnet and 155 purse seine deliveries; an overall ratio of 2.72 sockeye per chum salmon. The sockeye to chum ratio during June 16 was about 4.1 to 1.0. About 446,246 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this afternoons' fishing period indicated that the ratio of sockeye to chum salmon, was about 3 to 5 sockeye per chum salmon. The volume of salmon harvested was reported as low.

To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 16 hours until 2:00 p.m., Sunday, June 18.

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EMERGENCY ORDER NO. 4-F-M-SP-51-95
EFFECTIVE DATE: 12:00, Noon, Sunday, June 18, 1995

EXPLANATION: This emergency order extends the current commercial herring fishing period twelve hours from 12:00 Noon, Sunday, June 18, 1995 until 12:00 Midnight, Sunday, June 18, 1995 in the Canoe Bay Section.

JUSTIFICATION: Fishing time is needed to allow sac roe herring harvests in the Canoe Bay Section during the sac roe herring season. Due to the late arrival of herring in Canoe Bay, ADF&G is currently unable to assess the biomass; therefore ADF&G will manage the fishery for the 100 ton preseason guideline harvest level.

A twelve hour fishing period extension from noon until midnight should give fishers the opportunity to catch herring without exceeding the processing capacity of the registered company or the guideline harvest level. Fishing effort is light with only one vessel and single tender with a 90 to 100 ton capacity.

EMERGENCY ORDER NO. 4-F-M-SP-52-95
EFFECTIVE DATE: 2:00 p.m., Sunday, June 18, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Sunday, June 18) for an additional 8 hours, from 2:00 p.m. Sunday, June 18 until 10:00 p.m. Sunday, June 18.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures through June 17 for the Shumagin Islands Section are 60,708 salmon composed of 492 chinook, 45,830 sockeye, 0 coho, 2,543 pink, and 11,843 chum salmon. Harvest figures to date (through June 17) for the Shumagin Islands Section are 364,070 salmon composed of 4,042 chinook, 258,584 sockeye, 2 coho, 11,303 pink, and 90,139 chum salmon from 111 set gillnet and 190 purse seine deliveries; an overall ratio of 2.87 sockeye per chum salmon. The sockeye to chum ratio during June 17 was about 3.87 to 1.0. About 400,416 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this mornings' fishing period indicated that the ratio of sockeye to chum salmon, was about 3 to 5 sockeye per chum salmon. The volume of salmon harvested was reported as low. Weather is reported to be forcing some of the fleet off the fishing grounds.

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To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 8 hours until 10:00 p.m., Sunday, June 18.

EMERGENCY ORDER NO. 4-FS-M-CB-09-95
EFFECTIVE DATE: 6:00 p.m. June 18, 1995

EXPLANATION: This emergency order establishes a 6:00 a.m. until 2:00 p.m. commercial salmon fishing period for seine and drift gillnet gear during June 18 in the South Unimak fishery. A 6:00 a.m. until 10:00 p.m. fishing period is established for set gill net gear in the South Unimak fishery during June 18.

JUSTIFICATION: Fishermen are reporting poor sockeye to chum salmon ratios from the fishing grounds, generally well under 2 to 1. Total salmon catches are very low. Chum salmon catches at the present could impact fishing time at a later date when sockeye abundance may become much higher than at the present. The South Unimak and Shumagin Islands fisheries are limited by a 700,000 chum salmon cap. Therefore the fishery should not be extended. An 8 hour fishing period on June 18 will allow fishermen to test ratios without overly impacting the total chum catch. If the ratios are acceptable, the fishery can be extended. Set gillnet gear is guaranteed a 16 hour fishing period if seine and drift gillnet gear is restricted to less than 16 hours according to 5 AAC 09.365 (g).

EMERGENCY ORDER NO. 4-F-M-SP-53-95
EFFECTIVE DATE: 10:00 p.m., Sunday, June 18, 1996

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 10:00 p.m. Sunday, June 18) for an additional 16 hours, from 10:00 p.m. Sunday, June 18 until 2:00 p.m. Monday, June 19.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures through June 17 for the Shumagin Islands Section are 60,708 salmon composed of 492 chinook, 45,830 sockeye, 0 coho, 2,543 pink, and 11,843 chum salmon. Harvest figures to date (through June 17) for the Shumagin Islands Section are 364,070 salmon composed of 4,042 chinook, 258,584 sockeye, 2 coho, 11,303 pink, and 90,139 chum salmon from 111 set gillnet and

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190 purse seine deliveries; an overall ratio of 2.87 sockeye per chum salmon. The sockeye to chum ratio during June 17 was about 3.87 to 1.0. About 400,416 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this mornings' fishing period indicated that the ratio of sockeye to chum salmon, was about 4 to 6 sockeye per chum salmon. The volume of salmon harvested was reported as very low. Weather forced most or all of the fleet off the fishing grounds by mid-morning, the wind is currently abating and the fleet may be able to fish by late this evening.

To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 16 hours until 2:00 p.m., Monday, June 19.

EMERGENCY ORDER NO. 4-FS-M-CB-10-95
EFFECTIVE DATE: 6:00 a.m. June 19, 1995

EXPLANATION: This emergency order establishes a 6:00 a.m. until 2:00 p.m. commercial salmon fishing period for seine and drift gillnet gear during June 19 in the South Unimak fishery. A 6:00 a.m. until 10:00 p.m. fishing period is established for set gill net gear in the South Unimak fishery during June 19.

JUSTIFICATION: The South Unimak and Shumagin Islands fisheries target sockeye during June but also harvest chum salmon. There is a 700,000 chum salmon cap on both fisheries combined. To date, the total chum harvest is 197,000 fish. Recently, fishermen have reported poor sockeye to chum ratios at South Unimak and ADF&G has limited fishing time in effort to minimize the harvest of chums. An 8 hour fishing period during June 19 will give the fleet a chance to test the sockeye to chum ratio without taking a large number of chum salmon. Set gillnet fishermen are guaranteed a 16 hour fishing period when the other gear types are limited to less than 16 hours as per 5 AAC 09.365.

EMERGENCY ORDER NO. 4-FS-M-CB-11-95
EFFECTIVE DATE: 2:00 p.m. June 19, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time eight hours until 10:00 p.m. Monday, June 19 in the South Unimak fishery.

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JUSTIFICATION: High winds are preventing fishermen from fishing in the South Unimak fishery. More fishing time is needed to allow fishermen to harvest their sockeye allocation and to test the sockeye to chum ratios. The South Unimak and Shumagin Islands fisheries are under a 700,000 chum salmon cap.

EMERGENCY ORDER NO. 4-F-M-SP-54-95
EFFECTIVE DATE: 2:00 p.m., Monday, June 19, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Monday, June 19) for an additional 8 hours, from 2:00 p.m. Monday, June 19 until 10:00 p.m. Monday, June 19.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 18 for the Shumagin Islands Section are 20,814 salmon composed of 178 chinook, 15,883 sockeye, 3 coho, 1,138 pink, and 3,612 chum salmon. Harvest figures to date (through June 18) for the Shumagin Islands Section are 384,884 salmon composed of 4,220 chinook, 274,467 sockeye, 5 coho, 12,441 pink, and 93,751 chum salmon from 132 set gillnet and 217 purse seine deliveries; an overall ratio of 2.93 sockeye per chum salmon. The sockeye to chum ratio during June 18 was about 4.40 to 1.0. About 384,533 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this mornings' fishing period indicated that the ratio of sockeye to chum salmon, was about 3 to 5 sockeye per chum salmon. The volume of salmon harvested was reported as very low. Weather has forced most of the fleet off the fishing grounds by early morning, the wind is currently NE 30 but may come down later this afternoon.

To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 8 hours until 10:00 p.m., Monday, June 19.

EMERGENCY ORDER NO. 4-F-M-SP-55-95
EFFECTIVE DATE: 10:00 p.m., Monday, June 19, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 10:00 p.m. Monday, June 19) for an additional 16 hours, from 10:00 p.m. Monday, June 19 until 2:00 p.m. Tuesday, June 20.

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JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 18 in the Shumagin Islands Section are 20,814 salmon composed of 178 chinook, 15,883 sockeye, 3 coho, 1,138 pink, and 3,612 chum salmon. Harvest figures to date (through June 18) for the Shumagin Islands Section are 384,884 salmon composed of 4,220 chinook, 274,467 sockeye, 5 coho, 12,441 pink, and 93,751 chum salmon from 132 set gillnet and 217 purse seine deliveries; an overall ratio of 2.93 sockeye per chum salmon. The sockeye to chum ratio during June 18 was about 4.40 to 1.0. About 384,533 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this afternoon's fishing period indicated that the ratio of sockeye to chum salmon, was about 3 to 5 sockeye per chum salmon. The volume of salmon harvested was reported as very low. Weather, abating this evening, forced most of the fleet off the fishing grounds most of the day. The wind is currently NE 25 and the grounds can be worked by some of the fleet.

To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 16 hours until 2:00 p.m., Tuesday, June 20.

EMERGENCY ORDER NO. 4-FS-M-CB-12-95
EFFECTIVE DATE: 10:00 p.m. June 19, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 18 hours until 4:00 p.m. Tuesday, June 20 in the South Unimak fishery.

JUSTIFICATION: High winds have prevented nearly the entirely fleet from fishing in the South Unimak area during June 19. Reports from what little fishing that did take place indicate that the sockeye to chum ratio is high. More fishing time is needed to harvest the sockeye allocation. The South Unimak and Shumagin Islands chum harvest through June 18 was 204,000 which is well below the 700,000 chum salmon cap.

EMERGENCY ORDER NO. 4-F-M-SP-56-95
EFFECTIVE DATE: 2:00 p.m., Tuesday, June 20, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Tuesday, June 20) for an additional 24 hours, from 2:00 p.m. Tuesday, June 20 until 2:00 p.m. Wednesday, June 21.

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JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 19 in the Shumagin Islands Section are 15,387 salmon composed of 18 chinook, 13,850 sockeye, 3 coho, 577 pink, and 939 chum salmon. Harvest figures to date (through June 19) for the Shumagin Islands Section are 400,271 salmon composed of 4,238 chinook, 288,317 sockeye, 8 coho, 13,018 pink, and 94,690 chum salmon from 155 set gillnet and 224 purse seine deliveries; an overall ratio of 3.04 sockeye per chum salmon. The sockeye to chum ratio during June 19 was about 14.75 to 1.0 (mostly set gillnet deliveries). About 370,683 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this morning's fishing period indicated that the ratio of sockeye to chum salmon, was about 4 sockeye per chum salmon. The volume of salmon harvested was reported as very low. Weather yesterday forced most of the fleet off the fishing grounds. The wind is currently NE 15 and the grounds can be worked by most of the fleet.

Since June 16 the ratio of sockeye to chum salmon has ranged from about 3.9 to 14.8. To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 24 hours until 2:00 p.m., Wednesday, June 21.

EMERGENCY ORDER NO. 4-FS-M-CB-13-95
EFFECTIVE DATE: 4:00 p.m. June 20, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time six hours until 10:00 p.m. Tuesday, June 20 in the South Unimak fishery.

JUSTIFICATION: The total South Unimak sockeye harvest through June 19 is 505,000 fish, far below the 2,987,000 allocation. The combined South Unimak and Shumagin Islands chum harvest through June 19 is 207,000 which is well below the 700,000 June fishery chum salmon cap. Reports from the grounds indicate that sockeye to chum ratios are variable and are getting better as the day progresses. The abundance of both species is reported to be low. More fishing time is needed to harvest the sockeye allocation and there is presently no danger of reaching the chum salmon cap.

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EMERGENCY ORDER NO. 4-FS-M-CB-14-95
EFFECTIVE DATE: 10:00 p.m. June 20, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 18 hours until 4:00 p.m. Wednesday, June 21 in the South Unimak fishery.

JUSTIFICATION: Sockeye to chum ratios reported from the fishing grounds were high. More fishing time is needed for the fleet to harvest it's sockeye allocation as only 505,000 of the 2,987,000 fish allocation has been harvested through June 19. The combined South Unimak and Shumagin Islands chum harvest through June 19 is 207,000 fish which is well below the 700,000 cap.

EMERGENCY ORDER NO. 4-F-M-SP-57-95
EFFECTIVE DATE: 2:00 p.m., Wednesday, June 21, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Wednesday, June 21) for an additional 24 hours, from 2:00 p.m. Wednesday, June 21 until 2:00 p.m. Thursday, June 22.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 20 in the Shumagin Islands Section are 50,644 salmon composed of 66 chinook, 39,652 sockeye, 22 coho, 2,149 pink, and 8,755 chum salmon. Harvest figures to date (through June 20) for the Shumagin Islands Section are 450,915 salmon composed of 4,304 chinook, 327,969 sockeye, 30 coho, 15,167 pink, and 103,445 chum salmon from 200 set gillnet and 261 purse seine deliveries; an overall ratio of 3.17 sockeye per chum salmon. The sockeye to chum ratio during June 20 was about 4.53 to 1.0. About 331,031 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this morning's fishing period indicated that the ratio of sockeye to chum salmon, was about 4 sockeye per chum salmon. The volume of salmon harvested was reported as low.

Since June 16 the ratio of sockeye to chum salmon has ranged from about 3.9 to 14.8. To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 24 hours until 2:00 p.m., Thursday, June 22.

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EMERGENCY ORDER NO. 4-FS-M-CB-15-95
EFFECTIVE DATE: 4:00 p.m. June 21, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 4:00 p.m. Thursday, June 22 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye harvest through June 20 is 582,000 fish, far below the 2,987,000 allocation. The combined South Unimak - Shumagin Islands areas chum harvest is 227,000 fish, well below the 700,000 cap. The sockeye to chum ratio during June 20 at South Unimak was 6.6 to 1. Reports from the grounds indicate that todays ratios are similar to that of yesterday. A 24 hour extension of the fishing period can be granted at this time to harvest sockeye without reaching the chum salmon cap.

EMERGENCY ORDER NO. 4-F-M-SP-58-95
EFFECTIVE DATE: 2:00 p.m., Thursday, June 22, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Thursday, June 22) for an additional 24 hours, from 2:00 p.m. Thursday, June 22 until 2:00 p.m. Friday, June 23.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 21 in the Shumagin Islands Section are 71,998 salmon composed of 241 chinook, 54,324 sockeye, 24 coho, 4,397 pink, and 13,012 chum salmon. Harvest figures to date (through June 21) for the Shumagin Islands Section are 522,949 salmon composed of 4,581 chinook, 382,293 sockeye, 54 coho, 19,564 pink, and 116,457 chum salmon from 257 set gillnet and 301 purse seine deliveries; an overall ratio of 3.28 sockeye per chum salmon. The sockeye to chum ratio during June 21 was about 4.17 to 1.0. About 276,707 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this morning's fishing period indicated that the ratio of sockeye to chum salmon, was about 4 sockeye per chum salmon. The volume of salmon harvested was reported as improving.

Since June 16 the ratio of sockeye to chum salmon has ranged from about 3.9 to 14.8. To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 24 hours until 2:00 p.m., Friday, June 23.

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EMERGENCY ORDER NO. 4-FS-M-CB-16-95
EFFECTIVE DATE: 4:00 p.m. June 22, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 4:00 p.m. Friday, June 23 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye harvest through June 21 is 750,000 fish, far below the 2,987,000 allocation. The combined South Unimak - Shumagin Islands areas chum harvest is 272,000 fish, well below the 700,000 cap. The sockeye to chum ratio during June 21 at South Unimak was 5.3 to 1. Reports from the grounds indicate that todays ratios are similar to that of yesterday and that fishing is slower. A 24 hour extension of the fishing period can be granted at this time to harvest sockeye without reaching the chum salmon cap.

EMERGENCY ORDER NO. 4-F-M-SP-59-95
EFFECTIVE DATE: 2:00 p.m., Friday, June 23, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Friday, June 23) for an additional 24 hours, from 2:00 p.m. Friday, June 23 until 2:00 p.m. Saturday, June 24.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 22 in the Shumagin Islands Section are 47,454 salmon composed of 322 chinook, 36,069 sockeye, 27 coho, 3,073 pink, and 7,963 chum salmon. Harvest figures to date (through June 22) for the Shumagin Islands Section are 570,403 salmon composed of 4,903 chinook, 418,362 sockeye, 81 coho, 22,637 pink, and 124,420 chum salmon from 312 set gillnet and 336 purse seine deliveries; an overall ratio of 3.36 sockeye per chum salmon. The sockeye to chum ratio during June 22 was about 4.53 to 1.0. About 240,638 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this morning's fishing period indicated that the ratio of sockeye to chum salmon, was about 4 to 5 sockeye per chum salmon. The volume of salmon harvested was reported as very low.

Since June 16 the ratio of sockeye to chum salmon has ranged from about 3.9 to 14.8. To maximize fishing time during the normal peak abundance of the sockeye run, the current fishing period for purse seine and set gillnet gear should be extended 24 hours until 2:00 p.m., Saturday, June 24.

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EMERGENCY ORDER NO. 4-FS-M-CB-17-95
EFFECTIVE DATE: 4:00 p.m. June 23, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 4:00 p.m. Saturday, June 24 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye harvest through June 23 is 1,062,000 fish, far below the 2,987,000 allocation. The combined South Unimak - Shumagin Islands areas chum harvest is 367,000 fish, well below the 700,000 cap. The sockeye to chum ratio during June 23 at South Unimak was 4.4 to 1. Reports from the grounds indicate that today's ratios are similar to that of yesterday or better. A 24 hour extension of the fishing period can be granted at this time to harvest sockeye without reaching the chum salmon cap.

EMERGENCY ORDER NO. 4-F-M-SP-60-95
EFFECTIVE DATE: 2:00 p.m., Saturday, June 24, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Saturday, June 24) for an additional 24 hours, from 2:00 p.m. Saturday, June 24 until 2:00 p.m. Sunday, June 25.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 23 in the Shumagin Islands Section are 54,347 salmon composed of 410 chinook, 41,701 sockeye, 25 coho, 4,498 pink, and 7,713 chum salmon. Harvest figures to date (through June 23) for the Shumagin Islands Section are 624,750 salmon composed of 5,313 chinook, 460,063 sockeye, 106 coho, 27,135 pink, and 132,133 chum salmon from 358 set gillnet and 371 purse seine deliveries; an overall ratio of 3.48 sockeye per chum salmon. The sockeye to chum ratio during June 23 was about 5.41 to 1.0. About 198,937 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this morning's fishing period indicated that the ratio of sockeye to chum salmon, was about 4 to 5 sockeye per chum salmon. The volume of salmon harvested was reported as very low.

Since June 20 the ratio of sockeye to chum salmon has ranged from about 4.2 to 5.4. To maximize fishing time during favorable sockeye to chum salmon ratios, the current fishing period should be extended 24 hours until 2:00 p.m., Sunday, June 25.

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EMERGENCY ORDER NO. 4-FS-M-CB-18-95
EFFECTIVE DATE: 4:00 p.m. June 24, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 4:00 p.m. Sunday, June 25 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye harvest through June 24 is 1,191,000 fish, far below the 2,987,000 allocation. The combined South Unimak - Shumagin Islands areas chum harvest is 409,000 fish, well below the 700,000 cap. The sockeye to chum ratio during June 23 at South Unimak was 3.9 to 1. Reports from the grounds indicate that today's ratios are similar to that of yesterday. A 24 hour extension of the fishing period can be granted at this time to harvest sockeye without reaching the chum salmon cap.

EMERGENCY ORDER NO. 4-F-M-SP-62-95
EFFECTIVE DATE: 2:00 p.m., Sunday, June 25, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Sunday, June 25) for an additional 24 hours, from 2:00 p.m. Sunday, June 25 until 2:00 p.m. Monday, June 26.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 24 in the Shumagin Islands Section are 55,485 salmon composed of 331 chinook, 42,408 sockeye, 29 coho, 3,918 pink, and 8,799 chum salmon. Harvest figures to date (through June 24) for the Shumagin Islands Section are 680,235 salmon composed of 5,644 chinook, 502,471 sockeye, 135 coho, 31,053 pink, and 140,932 chum salmon from 411 set gillnet and 404 purse seine deliveries; an overall ratio of 3.57 sockeye per chum salmon. The sockeye to chum ratio during June 24 was about 4.82 to 1.0. About 156,529 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this morning's fishing period indicated that the ratio of sockeye to chum salmon, was about 3 to 5 sockeye per chum salmon. The volume of salmon harvested was reported as low.

Since June 20 the ratio of sockeye to chum salmon has ranged from about 4.2 to 5.4. To maximize fishing time during favorable sockeye to chum salmon ratios, the current fishing period should be extended 24 hours until 2:00 p.m., Monday, June 26.

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EMERGENCY ORDER NO. 4-F-M-SP-61-95
EFFECTIVE DATE: 3:00 p.m., Sunday, June 25, 1995

EXPLANATION: This emergency order allows a 24 hour salmon fishing period from 3:00 p.m. Sunday, June 25, 1995 until 3:00 p.m. Monday, June 26, 1995 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point $55^0$41'55" N.lat., $160^0$03'12" W.long., to Waterfall Point $55^0$43'11" N.lat., $160^0$01'08" W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

The sockeye salmon daily escapement at Chignik, as of midnight June 23, was 16,111 salmon for a total sockeye escapement of 244,674 salmon. Escapements this morning, June 24, were an estimated 4,000 by 8:00 a.m. The interim goal of 300,000 by June 24 will be surpassed.

Harvest to date (through June 23) in the Chignik Management Area is approximately 352,265 sockeye salmon; 70.0% of the total Chignik destined sockeye salmon harvest. Harvest to date (through June 23) in the Kodiak Management Area, Cape Igvak fishery, is approximately 119,601 sockeye salmon; 23.7% of the total Chignik destined sockeye salmon harvest. Harvest to date (through June 23) in the Southeastern District Mainland fishery is approximately 31,938 sockeye salmon; 6.3% of the total Chignik destined sockeye salmon harvest.

At this time, ADF&G believes that the early run may be as strong as predicted.

A 24 hour fishing period from 3:00 p.m., Sunday, June 25 until 3:00 p.m., Monday, June 26 in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin in strength until the end of June. Currently, 247 salmon have passed through the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

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EMERGENCY ORDER NO. 4-FS-M-CB-19-95
EFFECTIVE DATE: 4:00 p.m. June 25, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 4:00 p.m. Monday, June 26 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye harvest through June 24 is 1,191,000 fish, far below the 2,987,000 allocation. The combined South Unimak - Shumagin Islands areas chum harvest is 409,000 fish, well below the 700,000 cap. The sockeye to chum ratio during June 23 at South Unimak was 3.9 to 1. Reports from the grounds indicate that today's ratios are similar to that of yesterday. A 24 hour extension of the fishing period can be granted at this time to harvest sockeye without reaching the chum salmon cap.

EMERGENCY ORDER NO. 4-F-M-SP-63-95
EFFECTIVE DATE: 2:00 p.m., Monday, June 26, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Monday, June 26) for an additional 24 hours, from 2:00 p.m. Monday, June 26 until 2:00 p.m. Tuesday, June 27.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 25 in the Shumagin Islands Section are 81,930 salmon composed of 454 chinook, 58,303 sockeye, 62 coho, 11,924 pink, and 11,187 chum salmon. Harvest figures to date (through June 25) for the Shumagin Islands Section are 762,165 salmon composed of 6,098 chinook, 560,774 sockeye, 197 coho, 42,977 pink, and 152,119 chum salmon from 429 set gillnet and 449 purse seine deliveries; an overall ratio of 3.69 sockeye per chum salmon. The sockeye to chum ratio during June 25 was about 5.21 to 1.0. About 98,226 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

Results from this morning's fishing period indicated that the ratio of sockeye to chum salmon, was about 3 to 5 sockeye per chum salmon. The volume of salmon harvested was reported as low.

Since June 20 the ratio of sockeye to chum salmon has ranged from about 4.2 to 5.4. To maximize fishing time during favorable sockeye to chum salmon ratios, the current fishing period should be extended 24 hours until 2:00 p.m., Tuesday, June 27.

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EMERGENCY ORDER NO. 4-FS-M-CB-20-95
EFFECTIVE DATE: 4:00 P.M. June 26, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 4:00 p.m. Tuesday, June 27 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye harvest through June 25 is 1,274,000 fish, far below the 2,987,000 allocation. The combined South Unimak - Shumagin Islands areas chum harvest is 438,000 fish, well below the 700,000 cap. The sockeye to chum ratio during June 25 at South Unimak was 4.6 to 1. Reports from the grounds indicate that today's ratios are similar to that of yesterday. A 24 hour extension of the fishing period can be granted at this time to harvest sockeye without reaching the chum salmon cap.

EMERGENCY ORDER NO. 4-F-M-SP-64-95
EFFECTIVE DATE: 2:00 p.m., Tuesday, June 27, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Shumagin Islands Section (current fishing period is through 2:00 p.m. Tuesday, June 27) for an additional 8 hours, from 2:00 p.m. Tuesday, June 27 until 10:00 p.m. Tuesday, June 27.

This emergency order also establishes a minimum 6 hour advanced notice time given before the opening of a commercial salmon fishing period in the Shumagin Islands Section, unless it is an extension of a fishing period in progress.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 26 in the Shumagin Islands Section are 79,721 salmon composed of 398 chinook, 48,609 sockeye, 110 coho, 7,650 pink, and 22,954 chum salmon. Harvest figures to date (through June 26) for the Shumagin Islands Section are 841,886 salmon composed of 6,496 chinook, 609,383 sockeye, 307 coho, 50,627 pink, and 175,073 chum salmon from 449 set gillnet and 484 purse seine deliveries; an overall ratio of 3.48 sockeye per chum salmon. The sockeye to chum ratio during June 26 was about 2.12 to 1.0. About 49,617 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

High winds (Northeast 30 to +50) curtailed most fishing effort by mid-afternoon on June 26. High winds again today, June 27, will also produce light fishing effort.

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An extension to the current fishing period until 10:00 p.m., Tuesday, June 27 is warranted to harvest the remaining sockeye salmon allocation (49,617 salmon). Tender reports during the morning of Wednesday, June 28 will provide the department with an estimated total catch to date in the Shumagin Islands. If any sockeye allocation remains after tonight's closure a six hour advanced notice time will allow fishers sufficient time to harvest any remaining allocation.

EMERGENCY ORDER NO. 4-FS-M-CB-21-95
EFFECTIVE DATE: 4:00 P.M. June 27, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time six hours until 10:00 p.m. Tuesday, June 27 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye harvest through June 26 is 1,349,000 fish, far below the 2,987,000 allocation. More fishing time is needed to harvest sockeye salmon. The combined South Unimak - Shumagin Islands chum harvest through June 26 is 479,000 which is 221,000 under the 700,000 June fishery chum salmon cap. The weather has changed to strong northeast winds which may have led to a substantial increase in Shumagin Islands chum salmon catches during June 26. A six hour extension at South Unimak should not result in too high a chum catch, if the weather pushed more chums into that fishery.

EMERGENCY ORDER NO. 4-FS-M-CB-22-95
EFFECTIVE DATE: 10:00 P.M. June 27, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 18 hours until 4:00 p.m. Wednesday, June 28 in the South Unimak fishery.

JUSTIFICATION: The combined South Unimak - Shumagin Islands chum salmon harvest through June 26 is 479,000 fish. Less than half of the South Unimak sockeye allocation has been harvested. Reports from the South Unimak fishing grounds indicate sockeye to chum salmon ratios are generally 4 or 5 to 1. At this rate, the fishery can be extended 18 hours without coming close to the 700,000 chum salmon cap.

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EMERGENCY ORDER NO. 4-F-M-SP-65-95
EFFECTIVE DATE: 4:00 p.m., Wednesday, June 28, 1995

EXPLANATION: This emergency order allows a 20 hour purse seine and set gillnet salmon fishing period from 4:00 p.m. Wednesday, June 28, 1995 until 12:00, Noon, Thursday, June 29, 1995 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for June 27 in the Shumagin Islands Section are approximately 20,565 salmon composed of 54 chinook, 13,789 sockeye, 9 coho, 2,070 pink, and 4,643 chum salmon. Harvest figures to date (through June 27) for the Shumagin Islands Section are 862,451 salmon composed of 6,550 chinook, 623,172 sockeye, 316 coho, 52,697 pink, and 179,716 chum salmon from 465 set gillnet and 493 purse seine deliveries; an overall ratio of 3.47 sockeye per chum salmon. The sockeye to chum ratio during June 27 was about 2.97 to 1.0. About 35,828 sockeye salmon remain to be harvested from the Shumagin Islands Section guideline harvest.

High winds and rough seas curtailed most fishing effort on June 26 and 27.

A 20 hour fishing period from 4:00 p.m., Wednesday, June 28 until 12:00, Noon, Thursday, June 29 in the Shumagin Islands Section is warranted to harvest the remaining sockeye salmon allocation (35,828 salmon).

EMERGENCY ORDER NO. 4-FS-M-CB-23-95
EFFECTIVE DATE: 4:00 P.M. June 28, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time six hours until 10:00 p.m. Wednesday, June 28 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye harvest of 1,399,000 fish is far below the 2,987,000 allocation. The combined South Unimak - Shumagin Islands chum harvest is 498,000 fish, 202,000 less than the 700,000 June fishery chum salmon cap. Reports from the fishing grounds indicate that sockeye to chum ratios are 4 to 1 or higher. The effort level has also declined substantially. The fishery can be extended six hours at this time without reaching the chum salmon cap.

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EMERGENCY ORDER NO. 4-FS-M-CB-24-95
EFFECTIVE DATE: 10:00 p.m. June 28, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 18 hours until 4:00 p.m. Thursday, June 29 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye salmon harvest through June 27 is 1,399,000 fish, far less than the 2,987,000 allocation. The combined South Unimak - Shumagin Islands chum salmon harvest through June 27 is 498,000 fish 202,000 less than the 700,000 chum salmon cap. Reports from the South Unimak fishing grounds indicate that fishing is very slow and sockeye to chum salmon ratios are high. The fishing effort has also declined substantially. The fishery can be extended 18 hours at this time without reaching the chum salmon cap.

EMERGENCY ORDER NO. 4-FS-M-CB-26-95
EFFECTIVE DATE: 4:00 p.m. June 29, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time six hours until 10:00 p.m. Thursday, June 29 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye harvest of 1,422,000 fish is far below the 2,987,000 allocation. The combined South Unimak - Shumagin Islands chum harvest is 507,000 fish, 193,000 less than the 700,000 June fishery chum salmon cap. Reports from the fishing grounds indicate that sockeye to chum ratios are 4 to 1 or higher. The effort level continues to decline. The fishery can be extended six hours at this time without reaching the chum salmon cap.

EMERGENCY ORDER NO. 4-FS-M-CB-27-95
EFFECTIVE DATE: 10:00 p.m. June 29, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 18 hours until 4:00 p.m. Friday, June 30 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye salmon harvest through June 28 is 1,422,000 fish, far less than the 2,987,000 allocation. The combined South Unimak - Shumagin Islands chum salmon harvest through June 28 is 507,000 fish, 193,000 less than the 700,000 chum salmon cap. Reports from the South Unimak fishing grounds indicate that fishing is very slow and sockeye to chum salmon ratios are high. The fishing effort has also declined substantially. The fishery can be extended 18 hours at this time without reaching the chum salmon cap.

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EMERGENCY ORDER NO. 4-FS-M-CB-28-95
EFFECTIVE DATE: 4:00 p.m. June 30, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time eight hours until 12:00 p.m. midnight Friday, June 30 in the South Unimak fishery.

JUSTIFICATION: The South Unimak sockeye harvest of 1,444,000 fish is far below the 2,987,000 allocation. The combined South Unimak - Shumagin Islands chum harvest is 529,000 fish, 171,000 below the 700,000 chum salmon cap. The South Unimak chum harvest has averaged less than 7,000 fish during the past two days. The gear level continues to decline. An additional eight hours of fishing time will allow fishermen to harvest more of their June sockeye allocation while there is no danger of reaching the chum cap.

EMERGENCY ORDER NO. 4-FS-M-CB-31-95
EFFECTIVE DATE: 7:00 a.m. July 7, 1995.

EXPLANATION: This emergency order establishes a 7:00 a.m. July 7 until 9:00 p.m. July 8 commercial salmon fishing period in the following locations:

1. Morzhovoi Bay Section
2. Thin Point Section
3. Cold Bay Section
4. Canoe Bay Section
5. That portion of the Pavlof Bay Section located north of
6. Zachary Bay located south of 55 deg. 22 min. 39 sec. N
7. Stepovak Flats Section

The closed waters of Thin Point Cove are reduced to include only those waters within 1,000 yards of the Thin Point Lagoon terminus and those waters within 500 yards of all other salmon streams emptying into Thin Point Cove.

JUSTIFICATION: South Peninsula sockeye and chum salmon should be entering locations where the Post June salmon Management Plan for the Southern Alaska Peninsula allows fishing, outside of the Southeastern District Mainland. A short opening at this time will allow the fleet to harvest salmon and test run strength. A strong sockeye run is anticipated into Thin Point Lake and fishing area is needed to test the run.

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EMERGENCY ORDER NO. 4-F-M-SP-66-95
EFFECTIVE DATE: 1:00 p.m., Saturday, July 8, 1995

EXPLANATION: This emergency order allows a 25 hour set gillnet salmon fishing period from 1:00 p.m. Saturday, July 8, 1995 until 2:00 p.m., Sunday, July 9, 1995 in all waters of Orzinski Bay north of a line from Elephant Point 55^{0}41'55" N.lat., 160^{0}03'12" W.long., to Waterfall Point 55^{0}43'11" N.lat., 160^{0}01'08" W.long.).

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. The area is open to only set gillnet fishers before July 11.

As of 12:00 p.m., midnight, July 6, the sockeye escapement past Orzinski weir was 7,170 salmon (6,055 adult and 1,115 jack salmon), the July 9 escapement goal of 5,000 salmon has been exceeded. During the morning of July 7 no additional sockeye salmon went through the weir and none were observed immediately downstream of the weir. A 25 hour fishing period from 1:00 p.m., Saturday, July 8 until 2:00 p.m., Sunday, July 9 will allow fishers to harvest salmon that are excess to Orzinski Lake escapement requirements.

EMERGENCY ORDER NO. 4-F-M-SP-67-95
EFFECTIVE DATE: 9:00 a.m., Tuesday, July 11, 1995

EXPLANATION: This emergency order allows a 29 hour set gillnet and purse seine salmon fishing period from 9:00 a.m., Tuesday, July 11, 1995 until 2:00 p.m., Wednesday, July 12, 1995 in all waters of Orzinski Bay north of a line from Elephant Point 55^{0}41'55" N.lat., 160^{0}03'12" W.long., to Waterfall Point 55^{0}43'11" N.lat., 160^{0}01'08" W.long.).

This emergency order also reduces the normal 1,000 yard closure for any salmon stream in Orzinski Bay to a 500 yard closure.

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. After July 10 both set gillnet and purse seine gear may be used in this fishery.

As of 12:00 p.m., midnight, July 9, the sockeye escapement past Orzinski weir was 12,612 salmon (10,845 adult and 1,767 jack salmon), the July 16 escapement goal of 10,000 salmon has been exceeded. During the morning of July 10 another 25 additional sockeye salmon were observed

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immediately downstream of the weir. A 29 hour fishing period from 9:00 a.m., Tuesday, July 11 until 2:00 p.m., Wednesday, July 12 will allow fishers to harvest salmon that are excess to Orzinski Lake escapement requirements.

EMERGENCY ORDER NO. 4-F-M-SP-68-95
EFFECTIVE DATE: 2:00 p.m., Wednesday, July 12, 1995

EXPLANATION: This emergency order extends the current set gillnet and purse seine salmon fishing period in all waters of Orzinski Bay north of a line from Elephant Point 55^{0}41'55" N.lat., 160^{0}03'12" W.long., to Waterfall Point 55^{0}43'11" N.lat., 160^{0}01'08" W.long. (current fishing period is through 2:00 p.m. Wednesday, July 12, 1995) for an additional 96 hours, from 2:00 p.m. Wednesday, July 12 until 2:00 p.m. Sunday, July 16.

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. After July 10 both set gillnet and purse seine gear may be used in this fishery.

As of 12:00 p.m., midnight, July 10, the sockeye escapement past Orzinski weir was 14,048 salmon (12,096 adult and 1,952 jack salmon), the July 16 escapement goal of 10,000 salmon has been exceeded.

A 96 hour extension to the current fishing period (from 2:00 p.m., Wednesday, July 12 until 2:00 p.m., Sunday, July 16) will allow fishers to harvest salmon that are excess to Orzinski Lake escapement requirements.

EMERGENCY ORDER NO. 4-FS-M-CB-36-95
EFFECTIVE DATE: 7:00 a.m. July 14, 1995.

EXPLANATION: This emergency order establishes a 7:00 a.m. July 14 until 9:00 p.m. July 15 commercial salmon fishing period in the following locations:

1. Morzhovoi Bay Section
2. Thin Point Section
3. Cold Bay Section
4. Canoe Bay Section
5. That portion of the Pavlof Bay Section located north of the latitude of Black Point.
6. Zachary Bay located south of 55 deg. 22 min. 39 sec. N lat.
7. Stepovak Flats Section

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JUSTIFICATION: South Peninsula sockeye and chum salmon are entering locations where the Post June salmon Management Plan for the Southern Alaska Peninsula allows fishing, outside of the Southeastern District Mainland. A short opening at this time will allow the fleet to harvest salmon and test run strength.

EMERGENCY ORDER NO. 4-F-M-SP-69-95
EFFECTIVE DATE: 2:00 p.m., Sunday, July 16, 1995

EXPLANATION: This emergency order extends the current set gillnet and purse seine salmon fishing period in all waters of Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long. (current fishing period is through 2:00 p.m. Sunday, July 16, 1995) for an additional 168 hours, from 2:00 p.m. Sunday, July 16 until 2:00 p.m. Sunday, July 23.

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. After July 10 both set gillnet and purse seine gear may be used in this fishery.

As of 12:00 p.m., midnight, July 13, the sockeye escapement past Orzinski weir was 19,195 salmon (16,927 adult and 2,268 jack salmon), the July 23 escapement goal of 15,000 salmon has been exceeded.

A 168 hour extension to the current fishing period (from 2:00 p.m., Sunday, July 16 until 2:00 p.m., Sunday, July 23) will allow fishers to harvest salmon that are excess to Orzinski Lake escapement requirements.

EMERGENCY ORDER NO. 4-F-M-SP-70-95
EFFECTIVE DATE: 7:00 a.m., Wednesday, July 19, 1995

EXPLANATION: This emergency order allows a 14 hour set gillnet and purse seine salmon fishing period from 7:00 a.m. Wednesday, July 19, 1995 until 9:00 p.m. Wednesday, July 19, 1995 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long., which is currently open until 2:00 p.m. Sunday, July 23), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

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The Chignik sockeye salmon daily escapement during July 15 was 18,007 salmon; as of midnight July 15 the escapement included 403,416 first run and 133,136 second run, for a total sockeye escapement of 536,552 salmon. The second run interim goal of 100,000 by July 16 has be surpassed.

Harvest to date (through July 15) in the Chignik Management Area is approximately 745,000 sockeye salmon; 78.3% of the total Chignik destined sockeye salmon harvest. Harvest to date (through July 15) in the Kodiak Management Area, Cape Igvak fishery, is approximately 152,776 sockeye salmon; 16.1% of the total Chignik destined sockeye salmon harvest. Harvest to date (through July 15) in the Southeastern District Mainland fishery is approximately 53,400 sockeye salmon; 5.6% of the total Chignik destined sockeye salmon harvest.

At this time, ADF&G believes that the early run escapement goals were met and the second run may be as strong as predicted.

A 14 hour fishing period from 7:00 a.m., Wednesday, July 19 until 9:00 p.m., Wednesday, July 19 in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The sockeye salmon daily escapement at Orzinski weir during July 15, was 612 salmon; as of midnight July 15 the total sockeye escapement was 19,908 salmon: 17,341 adult and 2,567 jack salmon. The interim goal of 15,000 by July 23 has be surpassed. Orzinski Bay is open to continuous salmon fishing through 2:00 p.m., Sunday, July 23.

EMERGENCY ORDER NO. 4-FS-M-CB-39-95
EFFECTIVE DATE: 7:00 a.m. July 20, 1995

EXPLANATION: This emergency order establishes a 7:00 a.m. July 20 until 9:00 p.m. July 22 commercial salmon fishing period in the Shumagin Islands Section, South Central District, Southwestern District, Sanak Island Section and Otter Cove Section.

The closed waters in the Thin Point Cove are reduced to include only those waters within 1,000 yards of the Thin Point Lagoon terminus and those waters within 500 yards of all other salmon streams emptying into Thin Point Cove.

JUSTIFICATION: The projected South Peninsula pink salmon harvest is 7,000,000 fish. Escapements of pink and chum salmon into early systems are very good for this date. Fishing time is needed to harvest the resource.

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A strong sockeye run is anticipated at Thin Point Lagoon and fish are entering the system at this time. There are no minus tides during July 20 - 24 which makes this a safe time to harvest Thin Point sockeye during open fishing periods.

EMERGENCY ORDER NO. 4-F-M-SP-71-95
EFFECTIVE DATE: 2:00 p.m., Sunday, July 23, 1995

EXPLANATION: This emergency order extends the current set gillnet and purse seine salmon fishing period in all waters of Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long. (current fishing period is through 2:00 p.m. Sunday, July 23, 1995) for an additional 168 hours, from 2:00 p.m. Sunday, July 23 until 2:00 p.m. Sunday, July 30.

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. After July 10 both set gillnet and purse seine gear may be used in this fishery.

As of 12:00 p.m., midnight, July 20, the sockeye escapement past Orzinski weir was 22,254 salmon (18,679 adult and 3,575 jack salmon), the July 23 escapement goal of 15,000 salmon has been exceeded. With daily adult escapements averaging about 200 salmon, the August 7 (total annual) escapement goal of 20,000 should also be exceeded.

A 168 hour extension to the current fishing period (from 2:00 p.m., Sunday, July 23 until 2:00 p.m., Sunday, July 30) will allow fishers to harvest salmon that are excess to Orzinski Lake escapement requirements.

EMERGENCY ORDER NO. 4-FS-M-CB-42-95
EFFECTIVE DATE: 7:00 a.m. July 25, 1995

EXPLANATION: This emergency order establishes a 7:00 a.m. July 25 until 9:00 p.m. July 27 commercial salmon fishing period in the Shumagin Islands Section, South Central District, Southwestern District, Sanak Island Section and Otter Cove Section.

JUSTIFICATION: The South Peninsula pink and chum salmon runs are strong. The Shumagin Islands harvest on July 22 was 247,000 pinks and 55,000 chums which indicates unusually high numbers of fish coming into the area. Fishing time is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-43-95
EFFECTIVE DATE: 7:00 a.m. July 25, 1995

EXPLANATION: This emergency order allows commercial salmon fishing up to the terminus at the ocean shoreline of Eastern Creek on Deer Island effective July 25 through August 31.

JUSTIFICATION: A total of 22,000 pink salmon are estimated to be in Eastern Creek. This is well above the point peak escapement goal of 20,000. More fishing area is needed to harvest the resource. The next fishing period in the Deer Island Section begins 7:00 a.m. July 25.

EMERGENCY ORDER NO. 4-F-M-SP-73-95
EFFECTIVE DATE: 12:01 a.m., Wednesday, July 26, 1995

EXPLANATION: This emergency order allows a 45 hour set gillnet and purse seine salmon fishing period from 12:01 a.m. Wednesday, July 26, 1995 until 9:00 p.m. Thursday, July 27, 1995 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point 55^{0}41'55" N.lat., 160^{0}03'12" W.long., to Waterfall Point 55^{0}43'11" N.lat., 160^{0}01'08" W.long., which is currently open until 2:00 p.m. Sunday, July 30), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

The Chignik sockeye salmon daily escapement during July 22 was 987 salmon; as of midnight July 22 the escapement included 405,661 first run and 180,097 second run, for a total sockeye escapement of 585,758 salmon. The second run interim goal of 180,000 by July 26 has be surpassed.

A 45 hour fishing period from 12:01 a.m., Wednesday, July 26 until 9:00 p.m., Thursday, July 27 in the Southeastern District Mainland area will give fishers the opportunity to test the strength of local pink and chum salmon runs. A fishing period during this time will also have this fishery on the same fishing schedule as the balance of the South Peninsula (the balance of the South Peninsula has a fishing period from 7: a.m. July 25 through 9:00 p.m. July 27).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The sockeye salmon daily escapement at Orzinski weir during July 21, was 193 salmon; as of midnight July 21 the total sockeye escapement was 22,447 salmon: 18,827 adult and 3,620 jack salmon. The final goal of 20,000 adult sockeye salmon by August 7 should be surpassed. Orzinski Bay is open to continuous salmon fishing through 2:00 p.m., Sunday, July 30.

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EMERGENCY ORDER NO. 4-F-M-SP-74-95
EFFECTIVE DATE: 1:00 p.m., Wednesday, July 26, 1995

EXPLANATION: This emergency order reinstates the normal 1,000 yard commercial salmon fishing closure at any salmon stream mouth in Orzinski Bay from the current 500 yard closure.

JUSTIFICATION: Management of Orzinski Bay is changing from the emphasis of sockeye to pink escapements. To protect milling pink salmon, it is appropriate at this time to move the regulatory markers out to 1,000 yards.

EMERGENCY ORDER NO. 4-FS-M-CB-46-95
EFFECTIVE DATE: July 28, 1995

EXPLANATION: This emergency order allows commercial salmon fishing up to the terminus at the ocean shoreline of Southern Creek on Deer Island effective July 28 through August 31.

JUSTIFICATION: A total of 111,000 pink salmon are estimated to be in Southern Creek. This is well above the point peak escapement goal of 65,000. More fishing area is needed to harvest the resource.

EMERGENCY ORDER NO. 4-FS-M-CB-45-95
EFFECTIVE DATE: 9:00 p.m. July 28, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 p.m. July 28 in the Southeastern District, South Central District, Southwestern District, Sanak Island Section and Otter Cove Section.

JUSTIFICATION: Pink and chum salmon escapements into early systems are generally good for this date. High northwest winds have impacted the fishery during the past two days. A 24 hour extension of the fishing period will enable fishermen to make up for part of the time lost to weather.

EMERGENCY ORDER NO. 4-FS-M-CB-47-95
EFFECTIVE DATE: 9:00 p.m. July 28, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 p.m. Saturday, July 29 in the Deer Island Section.

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JUSTIFICATION: The escapement goals of pink salmon have been reached in two of the Deer Islands four major streams. The runs are just beginning to enter the other streams where no fishing effort has occurred. A 24 hour extension will allow fishermen to harvest fish going into the two streams open to the terminus while allowing fishermen to test run strength in other locations.

EMERGENCY ORDER NO. 4-FS-M-CB-49-95
EFFECTIVE DATE: 9:00 p.m. July 29, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 p.m. Sunday, July 30 in the Deer Island Section.

JUSTIFICATION: Weather has prevented fishing over much of Deer Island. More fishing time is needed to harvest pink salmon going into Eastern and Southern Creeks where escapements goals have been reached.

EMERGENCY ORDER NO. 4-FS-M-CB-48-95
EFFECTIVE DATE: 7:00 a.m. July 30, 1995

EXPLANATION: This emergency order establishes a 7:00 a.m. July 30 until 9:00 p.m. July 31 commercial salmon fishing period in the Makushin Bay and Kashega Bay Sections.

JUSTIFICATION: The Makushin and Kashega Bay Sections are not significant pink salmon producers during odd numbered years. There has been interest in fishing for sockeye and chum salon in these sections. A 40 hour fishing period should give fishermen an opportunity to harvest sockeye and chum salmon and to test run strength. Effort level is anticipated to be less than three boats.

EMERGENCY ORDER NO. 4-FS-M-CB-52-95
EFFECTIVE DATE: 8:00 a.m. July 30, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time in the Deer Island Section until 9:00 p.m. August 2, the closing time for the next general South Peninsula fishing period.

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Effective August 1, the opening date of the next fishing period in the Mino Creek - Little Coal Bay Section, the closed waters at Mino Creek will be reduced to the stream terminus at the ocean shoreline until September 1.

JUSTIFICATION: The escapement goals of pink salmon have been reached in two of Deer Islands for major streams. The escapement goal is rapidly being reached in one of the other streams and the run is just beginning in the fourth stream. No fishing effort has taken place in the vicinity of the last two streams. More fishing time is needed to harvest the resource where escapement objectives have been reached.

The results of a recent survey indicated the pink salmon escapement into Mino Creek was 215,000 fish. This is well above the peak escapement goal of 140,000. More fishing area is needed to harvest the resource.

EMERGENCY ORDER NO. 4-F-M-SP-75-95
EFFECTIVE DATE: 2:00 p.m., Sunday, July 30, 1995

EXPLANATION: This emergency order extends the current set gillnet and purse seine salmon fishing period in all waters of Orzinski Bay north of a line from Elephant Point $55^0$41'55" N.lat., $160^0$03'12" W.long., to Waterfall Point $55^0$43'11" N.lat., $160^0$01'08" W.long. (current fishing period is through 2:00 p.m. Sunday, July 30, 1995) for an additional 41 hours, from 2:00 p.m. Sunday, July 30 until 8:00 a.m. Tuesday, August 1.

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. After July 10 both set gillnet and purse seine gear may be used in this fishery.

As of July 28, the sockeye escapement past Orzinski weir was 25,057 salmon (20,882 adult and 4,175 jack salmon), the August 7, annual escapement goal of 20,000 salmon has been exceeded.

A 41 hour extension to the current fishing period (from 2:00 p.m., Sunday, July 30 until 8:00 a.m., Tuesday, August 1) will allow fishers to harvest sockeye salmon that are excess to Orzinski Lake escapement requirements. After 8:00 a.m., Tuesday, August 1, Orzinski Bay will be managed with most of the South Peninsula for pink salmon escapements.

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EMERGENCY ORDER NO. 4-FS-M-CB-51-95
EFFECTIVE DATE: 8:00 a.m. August 1, 1995

EXPLANATION: This emergency order establishes a 8:00 a.m. August 1 until 9:00 p.m. August 2 commercial salmon fishing period in the Southeastern District, South Central District, Southwestern District, Bechevin Bay Section.

The closed waters in Thin Point Cove are reduced to include only those waters within 1,000 yards of the Thin Point Lagoon terminus and those waters within 500 yards of all other salmon streams emptying into Thin Point Cove during the open fishing periods during the week of August 1 - 6.

JUSTIFICATION: Fishing time is needed to harvest South Peninsula and Bechevin Bay pink and chum salmon. Runs are strong and escapements should greatly improve after a three day closure during this part of the season. There are no minus tides during the coming week which makes this a safe time to harvest incoming Thin Point Cove sockeye without having fish back out of the lagoon.

EMERGENCY ORDER NO. 4-FS-M-CB-53-95
EFFECTIVE DATE: 9:00 a.m. August 2, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 p.m. Friday, August 4 in the Deer Island Section.

JUSTIFICATION: Escapement goals of pink salmon have been reached in two of Deer Islands' major streams and escapements are rapidly reaching the goals in the other two. More fishing time is needed to harvest the Resource.

EMERGENCY ORDER NO. 4-FS-M-CB-55-95
EFFECTIVE DATE: 9:00 p.m. August 4, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 48 hours until 9:00 p.m. Sunday, August 6 in the Deer Island Section.

JUSTIFICATION: Escapement goals of pink salmon have been reached in two of Deer Islands' major streams and escapements are rapidly reaching the goals in the other two. Weather has prevented fishing in much of the section. More fishing time is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-56-95
EFFECTIVE DATE: 8:00 a.m. August 5, 1995

EXPLANATION: This emergency order establishes a 8:00 a.m. August 5 until 9:00 p.m. August 6 commercial salmon fishing period in the Southeastern District, South Central District, Southwestern District, Bechevin Bay Section.

JUSTIFICATION: Pink salmon runs are very strong along the South Peninsula and late chums should be entering Bechevin Bay at this time. Pink salmon catches totaled over 2.25 million fish during August 1 - 2, which is unusually high. Pink salmon escapements into early systems are spotty. A 37 hour fishing period after a two day closure will allow fishermen to harvest salmon while providing time for fish to escape.

EMERGENCY ORDER NO. 4-F-M-SP-76-95
EFFECTIVE DATE: 9:00 a.m., Sunday, August 5, 1995

EXPLANATION: This emergency order increases the closed waters of Suzie Creek from the normal 500 yard commercial salmon fishing closure at the stream mouth to all waters west of the cape separating Chichagof Bay and West Cove (160°14'34" W.long.), all waters east of 160°18'43" W.long. in Dorenoi Bay, and all waters north of 55°37' N.lat.

JUSTIFICATION: Aerial surveys indicate that the current pink salmon escapement (August 1: 14,000 salmon) into Suzie Creek is below normal escapement for this time period. Due to the lack of escapement, an increase in the closed waters area near Suzie Creek from the normal 500 yard commercial salmon fishing closure at the stream mouth to all waters west of the cape separating Chichagof Bay and West Cove (160°14'34" W.long.), all waters east of 160°18'43" W.long. in Dorenoi Bay, and all waters north of 55°37' N.lat. is warranted to protect milling fish, most of which should be bound for Suzie Creek.

EMERGENCY ORDER NO. 4-FS-M-CB-58-95
EFFECTIVE DATE: 9:00 p.m. August 6, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 96 hours until 9:00 p.m. Thursday, August 10 in the Deer Island and Canoe Bay Sections.

JUSTIFICATION: The escapement goal of chum salmon in the Canoe Bay River has been reached and an unusually large pink salmon run is entering Canoe Bay at this time. An estimated 100,000 pink salmon are presently in closed waters, well above escapement needs.

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Deer Island pink salmon runs continue to be very strong with escapement goals being exceeded in two major streams and the goals are rapidly being met in the other two.

EMERGENCY ORDER NO. 4-FS-M-CB-59-95
EFFECTIVE DATE: August 8, 1995

EXPLANATION: This emergency order establishes a 8:00 a.m. August 9 until 9:00 p.m. August 10 commercial salmon fishing period in the Southeastern District, South Central District, Southwestern District, Bechevin Bay Section.

The following closed water adjustments are made:

1. The closed waters of Thin Point Cove are changed to include all waters enclosed by a line from the southern tip of Thin Point to 54 degrees 59 minutes 06 seconds N. lat., 162 degrees 43 minutes W. long. (approximately 500 yards southwest of the Southwest Bight stream terminus).

2. The closed waters of Bay Point and Dry Lagoons are reduced to include only the waters upstream from the lagoon terminus at the ocean shoreline.

3. Commercial salmon fishing will be allowed up to the stream terminus at the ocean shoreline of Middle (Priest) Creek and all streams on Deer Island.

JUSTIFICATION: Pink salmon runs are exceptionally strong along the South Peninsula and fishing time is needed to harvest the resource. The late Bechevin Bay chum run strength has not been tested.

The modified closed waters in Thin Point Cove will protect sockeye while allowing fishermen to harvest pink salmon in Southwest Bight.

Pink salmon escapement goals have been exceeded on all Deer Island streams, Middle Creek, Dry Lagoon and Bay Point Lagoon.

EMERGENCY ORDER NO. 4-FS-M-CB-60-95
EFFECTIVE DATE: 9:00 p.m. August 10, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 p.m. August 11 in the Southeastern District, South Central District, Southwestern District, Unimak District and Bechevin Bay Section.

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JUSTIFICATION: South Peninsula pink salmon runs are very strong. One of the two major processors will not be able to let their fleet go fishing until 8 hours into the present fishing period. The other processor is placing their fleet on limits. Processing capacity is presently limiting the fishery. More fishing time is needed to harvest the resource.

EMERGENCY ORDER NO. 4-FS-M-CB-63-95
EFFECTIVE DATE: August 11, 1995

EXPLANATION: This emergency order reduces waters closed to commercial salmon fishing as follows:

Bear Bay to include only those waters of the inner bay.

Kitchen Anchorage to include only those waters within 500 yards of the creek terminus.

Rocky River, Barneys Creek, McGintys Creek and all streams in the Mino Creek-Little Coal Bay Section to include only those waters upstream from the terminus at the ocean shoreline.

JUSTIFICATION: The South Peninsula pink salmon run is at record strength. Large numbers of fish are entering Kitchen Anchorage and Little Bear Bay which have very limited spawning capacity, more fishing area is needed to harvest salmon in these locations while the quality is still acceptable. Desired escapement levels of pink salmon have been reached in McGintys creek, Barneys Creek, Rocky River, and the Mino Creek - Little Coal Bay Section streams. More fishing area is needed to harvest the resource.

EMERGENCY ORDER NO. 4-FS-M-CB-64-95
EFFECTIVE DATE: 9:00 p.m. August 11, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 72 hours until 9:00 p.m. August 14 in the Southeastern District, South Central District, Southwestern District, Unimak District and Bechevin Bay Section.

JUSTIFICATION: The South Peninsula pink salmon run is at a record high level with the harvest exceeding 11.2 million fish through August 10. Processing capacity is very limited and fishermen are unable to put much pressure on the resource at this time. More fishing time is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-65-95
EFFECTIVE DATE: 9:00 p.m. August 14, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 48 hours until 9:00 p.m. August 16 in the Southeastern District, South Central District, Southwestern District, Unimak District and Bechevin Bay Section.

JUSTIFICATION: The South Peninsula pink salmon run is at a record high level with the harvest exceeding 12 million fish through August 13. Processing capacity is very limited and fishermen are unable to put much pressure on the resource at this time. More fishing time is needed to harvest the resource.

EMERGENCY ORDER NO. 4-FS-M-CB-68-95
EFFECTIVE DATE: 9:00 p.m. August 16, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 72 hours until 9:00 p.m. August 19 in the Southeastern District, South Central District, Southwestern District, Unimak District and Bechevin Bay Section.

The closed waters area is increased to three nautical miles around the entrance of Little John Lagoon effective August 17 - 31.

JUSTIFICATION: Pink salmon runs remain at a record high levels along the South Peninsula and processing capacity has greatly limited exploitation. Chum salmon runs are also strong in places. More fishing time is needed to harvest the resource. The chum salmon escapement into Little John Lagoon is poor, totaling less 3,000 fish. An expanded closure is needed for Little John Lagoon to obtain a healthy escapement.

EMERGENCY ORDER NO. 4-FS-M-CB-70-95
EFFECTIVE DATE: August 18, 1995

EXPLANATION: This emergency order allows commercial salmon fishing up to the terminus at the ocean shoreline of Settlement Point Creek effective August 18 through August 31.

JUSTIFICATION: A total of 159,000 pink salmon are estimated to be in Settlement Point Creek. This is well above the point peak escapement goal of 130,000. More fishing area is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-71-95
EFFECTIVE DATE: 9:00 p.m. August 19, 1995

EXPLANATION: This emergency order extends commercial salmon fishing time 3 hours until 12:00 p.m. midnight August 19 in the Southeastern District, South Central District, Southwestern District, Unimak District and Bechevin Bay Section.

JUSTIFICATION: The South Peninsula pink salmon run is unusually strong with a record harvest of almost 15 million fish so far. However, both processors indicate that they will be unable to process pink salmon after August 19 due to a lack of processing materials. A three hour extension will enable fishermen to legally fish during the entire day of August 19. The fishing period should not be extended after August 19, unless there is a pink salmon market, in order to facilitate subsistence fishing. Without a pink salmon market any subsequent commercial fishing periods will be based on other species.

EMERGENCY ORDER NO. 4-F-M-SP-77-95
EFFECTIVE DATE: 8:00 a.m., Tuesday, August 22, 1995

EXPLANATION: This emergency order allows a 8:00 a.m., Tuesday, August 22, 1995 until 12:00 a.m., Noon, Monday, August 28, 1995 commercial salmon fishing period in the Shumagin Islands, Balboa Bay, and Southwest Stepovak Sections.

JUSTIFICATION: The Southeastern District is currently closed to commercial salmon fishing due to the lack of pink salmon markets and to allow subsistence fishers an opportunity to harvest subsistence salmon.

A commercial fishing period from 8:00 a.m., Tuesday, August 22 until 12:00 a.m., Noon, Monday, August 28 in the Shumagin Islands, Balboa Bay, and Southwest Stepovak Sections will give fishers the opportunity to harvest pink salmon that are in excess to local escapement requirements.

A small, very limited, pink salmon market has developed; a fishing period during this time will allow at least one fisher the opportunity to fill the market.

EMERGENCY ORDER NO. 4-FS-M-CB-72-95
EFFECTIVE DATE: 8:00 a.m. August 22, 1995

EXPLANATION: This emergency order establishes a 8:00 a.m. until 9:00 p.m. commercial salmon fishing period in the West Pavlof Bay Section, Southwestern District, and Bechevin Bay

Section. The closed waters at Little John Lagoon revert back to as described in the regulation book.

JUSTIFICATION: Large numbers of chum salmon in excess of escapement needs are available for harvesting in the western portion of the Alaska Peninsula Area. A market presently does not exist for pink salmon, however most chum salmon production areas in the Western part of the Alaska Peninsula Area are in locations where pink salmon are not abundant during odd numbered years. A healthy chum salmon escapement of over 17,000 fish is in Little John Lagoon and there is no longer a need for the three mile closure outside of the lagoon.

EMERGENCY ORDER NO. 4-FS-M-CB-74-95
EFFECTIVE DATE: 8:00 a.m. August 24, 1995

EXPLANATION: This emergency order establishes a 8:00 a.m. until 9:00 p.m. commercial salmon fishing period in the West Pavlof Bay Section, Southwestern District, and Bechevin Bay Section during August 24.

JUSTIFICATION: The chum salmon run is very strong in the West Pavlof Bay Section, Southwestern District, and Bechevin Bay Section. With fish in excess of escapement needs available for harvesting. The fleets' capabilities are limited by processing capacity. Fishing time is needed to harvest the resource.

EMERGENCY ORDER NO. 4-FS-M-CB-75-95
EFFECTIVE DATE: 8:00 a.m. August 27, 1995

EXPLANATION: This emergency order establishes a 8:00 a.m. until 9:00 p.m. commercial salmon fishing period in the West Pavlof Bay Section, Southwestern District, and Bechevin Bay Section during August 27.

JUSTIFICATION: The chum salmon run is very strong in the West Pavlof Bay Section, Southwestern District, and Bechevin Bay Section with fish in excess of escapement needs available for harvesting. The fleets' capabilities are limited by processing capacity. Chums caught during the previous fishing period were dominantly bright.
More fishing time is needed to harvest the resource.

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EMERGENCY ORDER NO. 4-FS-M-CB-76-95
EFFECTIVE DATE: 8:00 a.m. August 30, 1995

EXPLANATION: This emergency order establishes a 8:00 a.m. until 9:00 p.m. commercial salmon fishing period in the West Pavlof Bay Section, Southwestern District, and Bechevin Bay Section during August 30.

JUSTIFICATION: The chum salmon run is very strong in the West Pavlof Bay Section, Southwestern District, and Bechevin Bay Section with fish in excess of escapement needs available for harvesting. The fleets' capabilities are limited by processing capacity. More fishing time is needed to harvest the resource.

EMERGENCY ORDER NO. 4-FS-M-CB-78-95
EFFECTIVE DATE: 9:00 a.m. September 1, 1995

EXPLANATION: This emergency order establishes a 9:00 a.m. September 1 until 8:00 p.m. September 4 commercial salmon fishing period in the Northwestern District, Unimak District and that portion of the Southwestern District west of the longitude of Belkofski Point.

The closed waters of Thin Pint Cove are reduced to include only those waters within 1,000 yards of the Thin Point Lagoon terminus and within 500 yards of the other salmon stream emptying into Thin Point Cove.

JUSTIFICATION: Fishing time is needed to harvest coho salmon in the western portion of the Alaska Peninsula Area. No more fishing should be allowed in the eastern portion of the Southwestern District and South Central District until the chum salmon escapements can be reevaluated after the previous fishing period. More fishing area is needed to enable fishermen to harvest coho in Thin Point Cove, the largest South Peninsula coho salmon producing system.

EMERGENCY ORDER NO. 4-F-M-SP-78-95
EFFECTIVE DATE: 9:00 a.m., Friday, September 1, 1995

EXPLANATION: This emergency order allows a 12 hour commercial salmon fishing period from 9:00 a.m., Friday, September 1, 1995 until 9:00 p.m., Friday, September 1, 1995 in the Southeastern District.

Closed waters are expanded to include all waters as follows:

A. Zachary Bay: all waters in Zachary Bay south of 55°21' N.

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B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.

C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.

D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.

E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.

F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.

G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55° 39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.

H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.

I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.

J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.

K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long. (2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.

L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

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EMERGENCY ORDER NO. 4-F-M-SP-79-95
EFFECTIVE DATE: 9:00 a.m., Monday, September 4, 1995

EXPLANATION: This emergency order allows a 35 hour commercial salmon fishing period from 9:00 a.m., Monday, September 4, 1995 until 8:00 p.m., Tuesday, September 5, 1995 in the Southeastern District.

Closed waters are expanded to include all waters as follows:

A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.

B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.

C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.

D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.

E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.

F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.

G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55° 39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.

H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.

I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.

J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.

K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long. (2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.

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L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Fishing time is needed to determined the strength of coho salmon runs which are entering local bays at this time.

Pink salmon escapements into late run systems have improved dramatically over the past week and the closure during September 2-3 will allow additional time for more pink and chum salmon escapement until the September 4-5 fishing period. Many pink and chum salmon are schooled at

the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to provide a necessary buffer to offer protection to the water marked-schooled salmon at the heads of the bays.

Set gillnet effort should not affect pink salmon escapements and purse seine effort is expected to be light and concentrated on capes rather than in bays. A 12 hour fishing period on September 1 resulted in a harvest of less than 4,000 combined pink and chum salmon.

It is appropriate to reopen the Southeastern District to commercial salmon fishing at 9:00 a.m., Monday, September 4 until 8:00 p.m., Tuesday, September 5 to determine the strength of coho salmon runs from local systems. At this time there are no pink salmon markets.

EMERGENCY ORDER NO. 4-F-M-SP-80-95
EFFECTIVE DATE: 8:00 p.m., Tuesday, September 5, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Southeastern District (current fishing period is through 8:00 p.m. Tuesday, September 5, 1995) for an additional 48 hours, from 8:00 p.m., Tuesday, September 5, 1995 until 8:00 p.m., Thursday, September 7, 1995.

Closed waters are expanded to include all waters as follows:

A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.

B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.

C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.

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D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.

E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.

F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.

G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55° 39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.

H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.

I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.

J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.

K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long. (2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.

L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Fishing time is needed to determined the strength of coho salmon runs which are entering local bays at this time. Results from September 1 and September 4 fishing periods indicate that the average coho per delivery during 1995 is similar to the recent 10-year (1985-94) average of 51.4 coho salmon per delivery.

Many pink and chum salmon are schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to provide a necessary buffer to offer protection to the water marked-schooled salmon at the heads of the bays.

Set gillnet effort should not affect pink salmon escapements and purse seine effort is expected to be light (about four or less permit holders) and concentrated on capes rather than in bays.

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A 48 hour extension to the current fishing period (from 8:00 p.m. Tuesday September 5 until 8:00 p.m. Thursday, September 7) will allow fishers to harvest coho salmon, which at this time appear to be of average run strength.

EMERGENCY ORDER NO. 4-F-M-SP-81-95
EFFECTIVE DATE: 9:00 a.m., Monday, September 11, 1995

EXPLANATION: This emergency order allows a 35 hour commercial salmon fishing period from 9:00 a.m., Monday, September 11, 1995 until 8:00 p.m., Tuesday, September 12, 1995 in the Southeastern District.

Closed waters are expanded to include all waters as follows:

A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.

B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.

C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.

D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.

E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.

F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.

G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55° 39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.

H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.

I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.

J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.

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K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long. (2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.

L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Results from the September 1 and the September 4 through September 7 fishing periods indicate that the average coho per delivery during 1995 is above the recent 10-year (1985-94) average of 51.4 coho salmon. The 1995 average coho per delivery is about 70.6. Effort levels are above normal and may results in record September harvests of both sockeye and coho salmon.

Many pink and chum salmon are schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to provide a necessary buffer to offer protection to the water marked-schooled salmon at the heads of the bays.

Set gillnet effort should not affect pink salmon escapements and purse seine effort is expected to be light (about four or less permit holders) and concentrated on capes rather than in bays.

Due to the lack of coho escapement data and higher than average effort levels, a Monday through Tuesday fishing period is warranted to harvest local coho stocks and assess the coho run strength.

EMERGENCY ORDER NO. 4-FS-M-CB-82-95
EFFECTIVE DATE: 9:00 a.m. September 12, 1995.

EXPLANATION: This emergency order establishes a 9:00 a.m. September 12 until 8:00 p.m. September 14 commercial salmon fishing period in the Izembek - Moffet Bay Section, Unimak District, Southwestern District, and South Central District.

JUSTIFICATION: Except for Thin Point Cove, no commercial fishing has taken place during September in the Izembek-Moffet Bay Section, and Unimak, Southwestern and South Central Districts. The number of coho in Thin Point Lagoon is estimated to be 13,000 fish which will provide for escapement and subsistence needs. More fishing time is justified to harvest fresh fish coming into Thin Point Cove and to harvest coho in other locations where coho have not been harvested this month.

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EMERGENCY ORDER NO. 4-F-M-SP-82-95
EFFECTIVE DATE: 8:00 p.m., Tuesday, September 12, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Southeastern District (current fishing period is through 8:00 p.m. Tuesday, September 12, 1995) for an additional 48 hours, from 8:00 p.m., Tuesday, September 12, 1995 until 8:00 p.m., Thursday, September 14, 1995 in the Southeastern District.

Closed waters are expanded to include all waters as follows:

A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.

B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.

C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.

D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.

E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.

F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.

G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55° 39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.

H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.

I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.

J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.

K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long. (2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the

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southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.

L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Results from the September 11 fishing period indicate that the harvest of all species was substantially lower as compared to the harvest for the prior week. Effort levels on September 11 were about 50 percent of the daily effort level of the prior week.

The harvest through September 11 was about 110,631 salmon comprised of 2 chinook, 83,350 sockeye, 17,687 coho, 1,348 pink, and 8,244 chum salmon. The September sockeye harvest has set a new record and the coho salmon harvest is above average.

Many pink and chum salmon are schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to provide a necessary buffer to offer protection to the water marked-schooled salmon at the heads of the bays.

Set gillnet effort should not affect pink salmon escapements and purse seine effort is expected to be light (four or less permit holders) and concentrated on capes rather than in bays.

Due to the lower effort level and the above average coho per delivery data, a 48 hour extension, from 8:00 p.m. Tuesday through 8:00 p.m. Thursday, is warranted to harvest local coho stocks.

EMERGENCY ORDER NO. 4-F-M-SP-83-95
EFFECTIVE DATE: 8:00 p.m., Thursday, September 14, 1995

EXPLANATION: This emergency order extends the current commercial salmon fishing period in the Southeastern District (current fishing period is through 8:00 p.m. Thursday, September 14, 1995) for an additional 24 hours, from 8:00 p.m., Thursday, September 14, 1995 until 8:00 p.m., Friday, September 15, 1995 in the Southeastern District.

Closed waters are expanded to include all waters as follows:

A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.

B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.

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C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.

D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.

E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.

F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.

G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55° 39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.

H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.

I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.

J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.

K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long. (2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.

L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Results from the September 11-13 fishing period indicate that the harvest of all species was substantially lower as compared to the harvest for the prior week. Effort levels on September 11-13 were about 50 percent of the effort level of the prior week.

The harvest through September 13 was about 123,504 salmon comprised of 2 chinook, 93,068 sockeye, 20,016 coho, 1,348 pink, and 9,070 chum salmon. The September sockeye harvest has set a new record and the coho salmon harvest is above average.

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Many pink and chum salmon are schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to provide a necessary buffer to offer protection to the water marked-schooled salmon at the heads of the bays.

Set gillnet effort should not affect pink salmon escapements and purse seine effort is expected to be light (two or less permit holders) and concentrated on capes rather than in bays.

Due to the lower effort level and the above average coho per delivery data, a 24 hour extension, from 8:00 p.m. Thursday through 8:00 p.m. Friday, is warranted to harvest local coho stocks.

EMERGENCY ORDER NO. 4-F-M-SP-84-95
EFFECTIVE DATE: 9:00 a.m., Monday, September 18, 1995

EXPLANATION: This emergency order establishes Southeastern District commercial salmon fishing periods during the remainder of the commercial salmon fishing season (through September 30). Commercial salmon fishing periods will begin at 9:00 a.m. Monday and end at 8:00 p.m. Friday. The first period concerning this schedule will begin at 9:00 a.m. Monday, September 18, 1995 and end at 8:00 p.m. Friday, September 22, 1995 and henceforth on Monday through Friday through September 29, 1995.

Closed waters are expanded to include all waters as follows:

A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.

B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.

C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.

D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.

E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.

F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.

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G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55° 39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.

H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.

I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.

J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.

K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long. (2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.

L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Results from the September 11-15 fishing period indicate that the harvest of all species was substantially lower than the harvest for the prior week. The harvest through September 14 was about 130,489 salmon comprised of 3 chinook, 98,298 sockeye, 21,471 coho, 1,348 pink, and 9,369 chum salmon. The September sockeye harvest has set a new record and the coho salmon harvest is above average.

Many pink and chum salmon are still schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to provide a buffer to offer protection to the water marked-schooled salmon at the heads of the bays.

Fishing effort should not affect pink or chum salmon escapements. Purse seine effort is expected to be light (two or less permit holders) and concentrated on capes; set gillnet effort is expected to continue to decline, especially in the Southeastern District Mainland area due to a lack of tender service after September 15. Effort levels on September 11-15 were about 50 percent of the effort level of the prior week. After mid-September, weather will likely reduce actual fishing days to about three to four days per week.

Aerial surveys on September 12-13 indicate that escapements in the Southeastern District of sockeye, pink, and chum salmon are good to excellent. With actual fishing days being about three

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days per week, decreasing effort, and with the additional closed water adjustments, coho salmon escapements should also be good for Southeastern District streams.

Due to the lower effort level and average coho per delivery data, a 9:00 a.m. Monday through 8:00 p.m. Friday fishing schedule during September 18-30 is warranted to harvest local coho stocks.

EMERGENCY ORDER NO. 4-F-M-SP-85-95
EFFECTIVE DATE: 9:00 a.m., Monday, October 2, 1995

EXPLANATION: This emergency order extends the commercial salmon fishing season from 9:00 a.m. Monday, October 2 until 8:00 p.m. Tuesday, October 31 in the Southeastern District.

This emergency order also establishes Southeastern District commercial salmon fishing periods during October. Commercial salmon fishing periods will begin at 9:00 a.m. Monday and end at 8:00 p.m. Friday. The first period concerning this schedule will begin at 9:00 a.m. Monday, October 2, 1995 and end at 8:00 p.m. Friday, October 6, 1995 and henceforth on Monday through Friday through October 31, 1995.

Closed waters are expanded to include all waters as follows:

A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.

B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.

C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.

D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.

E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.

F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.

G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55° 39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.

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H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.

I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.

J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.

K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long. (2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.

L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Results from the September 18-22 fishing period indicate that the harvest of all species was substantially lower than the harvest for the prior week. The lower harvest was primarily due to poor weather conditions. The Southeastern District harvest through September 22 was about 136,918 salmon comprised of 3 chinook, 103,660 sockeye, 22,324 coho, 1,348 pink, and 9,583 chum salmon. The September sockeye harvest has set a new record and the coho salmon harvest is above average.

Many pink and chum salmon are still schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to provide a buffer to offer protection to the water marked-schooled salmon at the heads of the bays.

Fishing effort should not affect pink or chum salmon escapements. Additional purse seine effort is not expected to occur; set gillnet effort is expected to continue to decline, especially in the Southeastern District Mainland area due to a lack of tender service. Effort levels on September 18-22 amounted to 13 deliveries. Weather reduce actual fishing days to about two days during the September 18-22 fishing period and should continue to limit actual fishing days to about three to four days per week.

Aerial surveys on September 12-13 indicate that escapements in the Southeastern District of sockeye, pink, and chum salmon are good to excellent. With actual fishing days being about three days per week, decreasing effort, and with the additional closed water adjustments, coho salmon escapements should also be good for Southeastern District streams.

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Due to the decreasing effort level, average coho per delivery data, actual fishing days being about three days per week, and with the additional closed water adjustments a 9:00 a.m. Monday through 8:00 p.m. Friday fishing schedule during October is warranted to harvest local coho stocks.

Appendix F.1. Peak survey counts and estimated total salmon escapement by district and species, for South Peninsula streams, 1995.

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
SOUTHEASTERN DISTRICT									
281-35.07	Bluff Point	0	0	0	0	6,100	8,127	0	0
281-35.06	Boulder Bay	0	0	0	0	4,100	5,980	1,000	1,813
281-35.05	Fox Bay	0	0	0	0	6,700	13,287	200	380
281-35.04	Fox Bay	0	0	0	0	3,500	5,620	500	950
281-35.02	Fox Bay	0	0	0	0	25,500	42,367	800	1,520
Not numbered Stream west of 281-35.02 Currently identified as stream 281-35.01	Unnamed	0	0	0	0	1,500	3,000	0	0
281-34.08	Island Bay	0	0	0	0	13,000	18,320	0	0
281-34.07	Island Bay	0	0	0	0	13,500	16,000	100	190
281-34.06	Island Bay	0	0	0	0	5,000	7,733	0	0
281-34.05	Island Bay	0	0	0	0	22,500	36,720	300	570
281-34.04	Unnamed	0	0	0	0	2,500	6,207	0	0
281-34.03	Stonehouse	0	0	0	0	41,500	58,033	300	570
281-34.02	Osterback	0	0	0	0	41,000	84,267	0	0
281-34.01	Granville Bay Portage Inlet	0	0	0	0	31,000	37,687	400	760
281-33.06	Stepovak Flats Granville Portage	0	0	0	0	6,000	12,000	2,000	2,271
281-33.05	Stepovak River	0	0	0	0	6,000	6,760	14,000	26,600
281-33.04	Big River	0	0	0	0	25,000	75,600	4,500	11,927
281-33.03	Louie's Corner	0	0	0	0	40,000	80,000	0	0
281-33.02	Ramsey Bay	0	0	0	0	5,000	10,000	0	0
281-33.01	Ramsey Bay	0	0	0	0	10,000	20,000	0	0
281-32.07	Grub Gulch	0	0	0	0	80,000	152,467	5,000	9,213
281-32.05	Clark Bay	0	0	0	0	35,000	51,733	1,000	2,500
281-32.04	Little Norway	0	0	0	0	31,000	68,627	2,500	6,713
281-31.03	Orzinski Lake and Stream			0	0	19,000	60,173	0	0

-Continued-

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
281-31.03	Orzinski Lake Weir/b	0	30,000						
281-20.04	Windbound Bay	0	0	0	0	19,500	29,500	0	0
281-20.03	Chichagof, East	0	0	0	0	20,000	24,920	400	720
281-20.02	Chichagof	0	0	0	0	52,000	92,800	500	700
281-20.01	Chichagof Bay Stream	0	0	0	0	21,500	70,633	500	950
281-10.04	West Cove	0	0	0	0	12,500	23,900	0	0
281-10.03	Suzy's Creek	0	0	0	0	108,500	335,967	0	0
281-10.02	Dorenoi Bay (minor stream)	0	0	0	0	12,200	23,973	0	0
281-10.01	Dorenoi Bay Stream	0	0	0	0	24,000	59,900	0	0
281-90.04	San Diego Lagoon & stream	0	0	0	0	28,000	74,800	1,000	3,040
281-90.03	San Diego Bay West side	0	0	0	0	2,200	2,727	300	410
281-90.02	Rough Beach Creek	0	0	0	0	77,000	141,967	0	0
281-90.01	Swedania Point Creek	0	0	0	0	67,500	119,353	0	0
281-80.16	Ballast Island	0	0	0	0	100	199	50	95
281-80.15	Coleman Creek	0	0	0	0	28,000	38,160	4,000	6,980
281-80.14	Johnson Creek	0	0	0	0	23,000	64,027	3,000	3,587
281-80.12	Foster's Camp (Bassett)	0	0	0	0	1,600	3,440	200	380
281-80.11	Monolith Point Creek	0	0	0	0	5,000	9,600	0	0
281-80.09	Foster Creek	0	0	0	0	28,000	66,833	400	760
281-80.08	Lefthand Bay	0	0	300	720	18,000	36,850	3,500	6,613
281-80.06	Cape Aliaksin	0	0	0	0	19,600	37,200	0	0
281-80.05	Cape Aliaksin	0	0	0	0	11,000	11,617	0	0
281-80.04	Cape Aliaksin	0	0	0	0	24,000	30,327	0	0
281-70.05	Beaver River	0	0	0	0	55,000	120,933	8,100	24,533
281-70.04	Smiley Creek	0	0	0	0	18,000	24,927	0	0

-Continued-

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
282-13.01	Unga Spit /a	0	0	0	0	250	500	0	0
282-13.02	Dry Lagoon	0	0	50	120	55,000	88,027	1,500	2,850
282-13.03	Bay Point	0	0	50	120	105,000	163,317	2,000	2,786
282-13.04	Pinnacle Point	0	0	0	0	12,000	18,967	0	0
282-13.05	Unnamed	0	0	0	0	10	40	0	0
282-13.06	Unnamed	0	0	0	0	50	100	0	0
282-10.02	Apollo Creek Minor	0	0	0	0	25,000	52,010	0	0
282-10.03	Apollo Creek	0	0	0	0	35,000	61,233	0	0
282-10.04	Acheredin Lake	4,600	5,750	0	0	3,100	5,993	0	0
282-10.10	Unnamed	0	0	0	0	200	400	0	0
282-10.11	Apollo Gold Mine (Delarof Harbor)	0	0	0	0	20,000	62,333	0	0
282-10.12	Unga Cape Stream	0	0	0	0	900	2,080	0	0
282-10.13	Baralof Bay (Johnny Nelson Lake)	500	625	200	480	3,000	5,920	500	827
282-10.14	Squaw Harbor Minor	0	0	0	0	11,000	24,627	0	0
282-10.15	Squaw Harbor Major	0	0	0	0	74,000	206,000	500	950
282-10.16	Ben Green Bight Farm	0	0	0	0	15,000	37,607	1,000	1,667
282-10.18	Humboldt Creek Popof Island	0	0	125	300	1,075	3,352	0	0
282-10.20	Red Cove-Popof Is.	0	0	300	720	0	0	0	0
282-12.10	Zachary Bay	0	0	0	0	200	450	100	190
282-12.09	South Quartz Pt.	0	0	0	0	4,200	7,740	0	0
282-12.08	South Quartz Pt.	0	0	0	0	2,000	2,650	0	0
282-12.07	Zachary Bay	0	0	0	0	300	1,400	0	0
282-12.06	Zachary Bay	0	0	0	0	100	300	0	0
282-12.05	Zachary Bay	0	0	0	0	7,500	25,673	500	950
282-12.04	Zachary Bay	0	0	0	0	3,000	6,300	0	0
282-12.03	Zachary Bay	0	0	0	0	3,000	5,000	50	95

-Continued-

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
282-12.02	Zachary Bay	0	0	0	0	4,500	5,056	0	0
282-12.01	Zachary Bay (Coal Harbor West)	0	0	0	0	500	1,267	0	0
282-11.01	Salmon Ranch	0	0	0	0	16,500	21,700	0	0
282-11.03	Fox Hole (Little Harbor)	0	0	0	0	14,000	20,800	0	0
282-11.05	W. side Korovin Bay	0	0	0	0	6,200	9,200	0	0
282-11.06	Korovin Lake	50	100	50	120	0	0	0	0
282-20.00	Sanborn Harbor/a	0	0	0	0	3,500	7,000	0	0
282-20.03	Sanborn Harbor/a	0	0	0	0	1,000	2,000	1,000	1,900
282-20.04	Sanborn Harbor/a	0	0	0	0	11,500	23,000	0	0
282-20.05	Falmouth Harbor/a	0	0	0	0	400	800	100	190
Southeastern District Total		**5,150**	**36,475**	**1,075**	**2,680**	**1,589,585**	**3,198,103**	**61,800**	**127,150**
SOUTHCENTRAL DISTRICT									
283-70.03	McGinty's Point	0	0	0	0	83,000	100,867	0	0
283-70.02	East of Mino	0	0	0	0	193,000	313,867	0	0
283-70.01	Mino Creek	1,100	1,375	0	0	521,000	1,371,200	0	0
283-62.05	Coal Bay Major	0	0	0	0	253,000	334,493	0	0
283-62.04	Coal Bay Minor	0	0	0	0	96,000	107,120	0	0
283-62.03	Coal Bay Middle	0	0	0	0	36,000	72,000	0	0
283-62.02	Coal Bay	0	0	0	0	24,000	48,000	0	0
283-62.01	Cape Tolstoi	0	0	0	0	13,000	26,000	0	0
283-63.16	Settlement Point	0	0	0	0	159,000	362,227	17,000	32,300
283-63.15	Middle Creek	0	0	0	0	119,000	452,633	0	0
283-64.10	Ness Creek	0	0	0	0	28,000	37,733	0	0
283-64.09	Inner Canoe Bay	0	0	0	0	0	0	2,400	3,147
283-64.08	Entrance Creek	0	0	0	0	72,000	162,907	5,500	10,450
283-64.07	Wolverine Gulch	0	0	0	0	9,000	15,480	200	380
283-64.06	Canoe Bay River	1,500	3,000	0	0	105,000	210,000	72,000	157,093
283-64.05	Bluff Point Creek	0	0	0	0	31,000	68,993	3,500	7,973

-Continued-

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
283-63.14	Dry Lagoon/a	0	0	0	0	150	300	70	133
283-63.13	Ruby's Lagoon	20	40	0	0	0	0	9,400	17,860
283-63.11	Chinaman Lagoon North	0	0	0	0	0	0	1,500	2,850
283-63.10	Chinaman Lagoon Main	0	0	0	0	0	0	14,000	26,600
283-63.09	Chinaman Lagoon/a	0	0	0	0	0	0	125	238
283-63.06	Chinaman Lagoon South	0	0	0	0	0	0	4,000	7,600
283-63.05	Chinaman Lagoon Lower	0	0	0	0	0	0	11,000	15,367
283-63.04	Chinaman Stream South	0	0	0	0	0	0	2,000	3,800
283-61.05	Long John Lagoon	0	0	300	720	0	0	0	0
283-61.04	Spring Fed Lakes	130	260	0	0	1,800	3,600	0	0
283-61.03	Long John Lagoon	0	0	0	0	0	0	300	570
283-61.02	Southwest Stream	0	0	0	0	2,100	3,833	5,600	8,800
South Central District Total		**2,750**	**4,675**	**300**	**720**	**1,746,050**	**3,691,253**	**148,595**	**295,161**
SOUTHWESTERN DISTRICT									
284-52.08	Volcano River	0	0	0	0	6,000	7,467	34,000	37,627
284-52.07	Volcano Center Sloughs	0	0	0	0	12,000	13,333	27,000	27,953
284-52.06	West Springholes	0	0	0	0	30,000	35,573	5,000	6,027
284-52.05	Streamguard Creek	0	0	0	0	0	0	5,000	9,500
284-52.04	Stub Creek	0	0	0	0	109,000	112,200	0	0
284-52.03	Little Bear Bay	0	0	0	0	20,700	41,400	0	0
284-52.01	Nikolaski Spit	0	0	0	0	94,000	153,107	0	0
284-51.03	Dolgoi Harbor North	0	0	0	0	15,000	30,000	0	0
284-51.06	Dolgoi Harbor Southwest	0	0	0	0	13,000	25,367	0	0
284-51.05	Dolgoi Harbor South	0	0	0	0	14,000	28,000	0	0

-Continued-

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
284-41.01	Belkofski Village	0	0	0	0	25,100	88,893	0	0
284-42.12	Rocky River	0	0	0	0	96,500	240,233	0	0
284-42.10	Kitchen Anchorage	0	0	0	0	33,000	66,000	0	0
284-42.09	Captain's Harbor	0	0	0	0	13,000	26,000	0	0
284-42.07	Belkofski Bay River	0	0	0	0	18,000	25,660	71,000	106,240
284-42.06	Belkofski Bay Beach	0	0	0	0	9,500	19,000	0	0
284-42.05	Belkofski Bay West	0	0	0	0	25,000	52,600	0	0
284-42.03	Indian Head	0	0	0	0	65,000	74,067	0	0
284-33.05	Ram's Creek	0	0	0	0	108,000	177,467	0	0
284-33.04	King Cove Lagoon	0	0	0	0	0	0	8,000	15,200
284-33.03	King Cove Lagoon Westside	0	0	0	0	500	1,000	0	0
284-31.01	Fox Island Anchorage East	0	0	0	0	144,000	257,293	0	0
284-31.02	Fox Island Anchorage Center	0	0	0	0	34,000	55,067	0	0
284-31.03	Fox Island Anchorage West	0	0	0	0	71,000	185,273	0	0
284-31.05	Paw Cape Creek Deer Island	0	0	0	0	24,000	42,213	0	0
284-31.06	Southern Creek Deer Island	0	0	0	0	206,000	456,043	0	0
284-31.10	Eastern Creek Deer Island	0	0	0	0	39,000	163,653	0	0
284-34.11	Lenard Harbor South	0	0	0	0	19,000	35,253	0	0
284-34.10	Lenard Harbor Main (Delta Creek)	0	0	0	0	9,800	19,600	13,800	31,013
284-34.09	Barney's Creek	0	0	0	0	32,000	77,933	5,800	11,020
284-34.07	Kinzarof Lagoon	3,300	6,600	0	0	0	0	400	760
284-34.06	Kinzarof Lagoon Middle	300	600	0	0	0	0	0	0

-Continued-

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
284-34.05	Kinzarof Lagoon North	850	1,700	0	0	0	0	0	0
284-34.03	Trout Creek	90	180	200	480	200	400	0	0
284-34.02	Russel Creek	500	1,000	0	0	3,000	3,613	86,000	250,067
284-34.01	Mortensen Lagoon	7,900	15,800	0	0	0	0	0	0
284-32.01	Old Man's Lagoon	0	0	0	0	0	0	3,900	7,363
284-20.06	Thinpoint Lagoon & Entrance Channel	19,000	31,740	13,000	31,200	0	0	0	0
284-20.10	Thinpoint Lake Weir	0	10,241						
284-20.04	Southwest Bight	0	0	0	0	10,500	20,920	0	0
284-20.03	McGinty's Creek (Verskin's Bight)	0	0	0	0	41,000	97,267	0	0
284-20.01	Sandy Cove Str.	0	0	0	0	0	0	19,100	31,027
284-11.01	Near Egg Island Stream	0	0	0	0	13,000	26,000	0	0
284-12.13	Little John Lagoon	0	0	0	0	0	0	20,500	20,820
284-12.12	Little John Sand Spit	0	0	0	0	0	0	1,100	2,090
284-12.11	Cannery Creek	0	0	0	0	500	1,000	0	0
284-12.05	Middle Lagoon	21,000	42,000	0	0	0	0	0	0
284-12.05	Middle Lagoon Weir/b	0	958						
284-12.01	Hansen's Creek	1,000	2,000	0	0	1,500	3,000	0	0
284-60.08	Deadman's Cove	1,800	3,600	0	0	16,000	27,680	0	0
284-60.07	Whalebone Bay	500	1,000	0	0	1,300	2,600	0	0
284-60.06	Sankin Bay	0	0	0	0	500	1,000	0	0
284-60.05	Whirl Point	0	0	0	0	9,700	19,400	0	0
284-60.04	Ikatan River	0	0	0	0	5,000	10,000	0	0
284-60.03	Swede's Lake	280	560	0	0	100	200	0	0
284-60.01	Ikatan Point	0	0	300	720	3,500	7,000	0	0
Southwestern District Total		**56,520**	**117,979**	**13,500**	**32,400**	**1,391,900**	**2,729,775**	**300,600**	**556,707**

-Continued-

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
UNIMAK DISTRICT									
285-50.00	Dora Harbor Left[a]	0	0	0	0	617	1,234	0	0
285-40.09	Otter Cove East[a]	0	0	200	480	5,500	11,000	60	62
285-40.08	Otter Cove West[a]	0	0	100	240	2,100	4,200	420	674
285-10.02	Pauloff Harbor	0	0	0	0	600	1,200	0	0
285-10.03	Johnson Bay	0	0	0	0	500	1,000	0	0
285-10.04	Unimak Cove	0	0	0	0	400	800	0	0
285-10.05	Dodd's Bay East	170	340	0	0	1,500	3,000	0	0
285-10.06	2 mi S. of Sanak Village	0	0	0	0	2,800	5,600	0	0
285-10.07	W. Sanak Island (Trinity)	350	700	0	0	3,400	6,800	0	0
285-10.08	Washwomen Creek	400	800	0	0	3,000	6,000	0	0
285-10.09	Sandy Bay	0	0	0	0	0	0	0	0
285-10 10	Salmon Bay	600	1,200	0	0	3,200	6,400	0	0
Unimak District Total		**1,520**	**3,040**	**300**	**720**	**23,617**	**47,234**	**480**	**736**
South Peninsula Total		**65,940**	**162,169**	**15,175**	**36,420**	**4,751,152**	**9,666,365**	**511,475**	**979,754**

[a] Peak count and estimated total escapement calculated from the historical average.

[b] The total estimated salmon escapement does include the weir counts at Orzinski (Orzenoi) Lake, Thin Point, and Middle Lagoon, however it does not include peak counts for any systems with weirs.

Escapement was determined from spawner abundance curves derived from aerial escapement surveys under fair or better visibility conditions and an assumed, 15 day average stream life for pink and chum salmon.

For all pink and chum salmon escapements with only a peak count or where the computer value was less than the peak count, an expansion factor of 2.0 was used for pink salmon, and 1.9 for chum salmon. The values were derived from the ratio of peak count to total estimated escapement for streams where ascending peak count, and descending counts were available.

Sockeye salmon escapements were estimated by an expansion factor of 1.25 for Acheredin Lake, Baralof Bay, and Mino Creek. All other sockeye salmon escapements were estimated by an expansion factor of 2.0. Coho escapements were estimated by an expansion factor of 2.4.

A zero indicates no fish were present while a blank indicates fish were present but not counted.

Appendix F.2. South Peninsula total indexed salmon escapements by species and year, 1962-95.

Year	Sockeye	Coho	Pink	Chum	Total
1962	18,800		1,598,800	399,400	2,017,000
1963	23,000		1,317,900	446,700	1,787,600
1964	15,700		1,436,400	454,800	1,906,900
1965	12,100		1,035,400	228,000	1,275,500
1966	17,000		719,400	422,000	1,158,400
1967	16,200		445,500	182,900	644,600
1968	12,800		823,300	279,100	1,115,200
1969	29,500		2,474,900	134,600	2,639,000
1970	16,500		1,298,900	280,500	1,595,900
1971	19,400		702,700	343,200	1,065,300
1972	11,900		111,400	254,500	377,800
1973	7,300		110,800	212,500	330,600
1974	95,600		284,400	257,300	637,300
1975	51,700		552,100	193,300	797,100
1976	69,700		1,456,400	327,200	1,853,300
1977	64,900		2,677,800	774,900	3,517,600
1978	64,800		2,858,700	600,500	3,524,000
1979	53,300		2,629,500	411,100	3,093,900
1980	45,900		2,641,600	362,400	3,049,900
1981	45,700		2,307,500	381,300	2,734,500
1982	39,200		2,293,000	386,900	2,719,100
1983	59,200		851,200	446,500	1,356,900
1984	54,800		3,811,600	699,700	4,566,100
1985	49,900		1,614,100	503,500	2,167,500
1986	48,000		1,716,700	544,600	2,309,300
1987	44,600		1,540,500	620,700	2,205,800
1988	74,100		2,839,600	496,400	3,410,100
1989	78,100		1,870,900	310,500	2,259,500
1990	95,300	87,500	1,598,400	354,700	2,135,900
1991	124,900		2,946,800	587,600	3,659,300
1992	97,600		2,834,400	335,500	3,267,500
1993	100,341		2,990,140	397,030	3,487,511
1994	120,255		3,071,725	579,100	3,771,080
1995	129,110		6,406,300	726,400	7,261,810
Average 1976-95	72,985		2,547,843	492,327	3,113,155
Average 1986-95	91,231		2,781,547	495,253	3,368,030

[a] In 1990, survey conditions and a generous budget allowed coho surveys during mid and late September.

Appendix F.3. South Peninsula estimated total escapement by species and district, 1986-95.

Year	Number of Salmon				
	Sockeye	Coho[a]	Pink	Chum	Total
Southeastern					
1986	29,469	0	639,915	130,816	800,200
1987	25,575	0	692,037	154,207	871,819
1988	24,377	7,032	1,301,149	90,397	1,422,955
1989	24,075	10,080	563,105	103,997	701,257
1990	21,925	47,448	583,225	125,813	778,411
1991	44,093	1,140	1,300,794	276,545	1,622,572
1992	27,375	650	1,252,660	224,399	1,505,084
1993	26,373	1,128	1,499,563	40,632	1,567,696
1994	44,800	1,260	1,073,218	69,291	1,188,569
1995	36,475	2,580	3,198,103	127,150	3,364,308
Average 1986-95	30,454	7,132	1,210,377	134,325	1,382,287
South Central					
1986	8,475	0.00	846,182	105,774	960,431
1987	4,363	1,680	790,420	169,267	965,730
1988	5,500	2,640	1,275,564	225,623	1,509,327
1989	3,188	6,960	735,222	94,107	839,477
1990	3,468	19,320	694,967	137,082	854,837
1991	6,450	0	1,712,655	170,262	1,889,367
1992	4,163	0	741,846	138,482	884,491
1993	11,250	0	1,775,279	211,293	1,997,822
1994	6,750	120	1,357,783	216,690	1,581,343
1995	4,675	720	3,691,253	295,161	3,991,809
Average 1986-95	5,828	3,144	1,362,117	176,374	1,547,463
Southwestern					
1986	47,540	3,840	573,457	331,477	956,314
1987	50,650	960.00	260,099	327,910	639,619
1988	55,620	10,320	1,591,960	271,446	1,929,346
1989	67,820	20,693	698,103	144,034	930,650
1990	74,040	56,448	724,248	181,897	1,036,633
1991	102,600	1,560	757,897	278,929	1,140,986
1992	88,880	41,040	1,466,610	162,923	1,759,453
1993	69,472	15,480	1,131,498	300,251	1,516,701
1994	50,660	33,360	1,942,314	403,233	2,429,567
1995	117,979	32,400	2,729,775	556,707	3,436,861
Average 1986-95	72,526	21,610	1,187,596	295,881	1,577,613

-Continued-

Year	Number of Salmon				
	Sockeye	Coho[a]	Pink	Chum[b]	Total
Unimak					
1986	9,840	12	13,267	400	23,519
1987	0	0	300	493	793
1988	0	0	26,987	1,313	28,300
1989	0	0	616	321	937
1990	14,800	960	19,540	710	36,010
1991	0	0	5,620	540	6,160
1992	0	0	27,360	170	27,530
1993	0	0	3,034	1,070	4,104
1994	0	0	49,290	1,190	50,480
1995	3,040	720	47,234	736	51,730
Average 1986-95	2,768	169	19,325	694	22,956
South Peninsula					
1986	95,324	3,852	2,072,821	568,467	2,740,464
1987	80,588	2,640	1,742,856	651,877	2,477,961
1988	85,497	19,992	4,195,660	588,779	4,889,928
1989	95,083	37,733	1,997,046	342,459	2,472,321
1990	114,233	124,176	2,021,975	445,502	2,705,886
1991	153,143	2,700	3,776,966	726,276	4,659,085
1992	120,418	41,690	3,488,476	525,974	4,176,558
1993	107,095	16,608	4,409,373	553,246	5,086,322
1994	102,210	34,740	4,422,605	690,404	5,249,959
1995	162,169	36,420	9,666,365	979,754	10,844,708
Average 1986-95	111,576	32,055	3,779,414	607,274	4,530,319

[a] Except for 1990, coho escapement data is are based on limited surveys

[b] In 1995, the chum estimated total escapement in the Unimak District was calculated from the historical average.

Appendix F.4. Method for calculating indexed total escapement.

The basic methods for calculating estimated indexed total escapements without the use of a weir or tower are as follows:

Chinook, Sockeye, Coho: These species tend to have a much longer stream life than pink and chum salmon. Therefore, the indexed total escapement is usually the peak escapement count, including carcasses. However, it is recognized that there are problems in large systems such as Ilnik and Caribou-David's Rivers. The major problem surveying large systems is the additional time, expense, and fuel needed to complete a thorough survey without adversely affecting other projects.

The Caribou and David's River complex (including Coastal and other nearby lakes) is so massive a system for the size of its runs that complete surveys will probably never by done.

At Thin Point Lagoon and Lake, a weir is used to monitor the early portion of the run. In absence of the weir, estimates of sockeye in the lagoon are added together based on estimated time in lagoon, condition, and observations of when sockeye start to move from the lagoon to the lake.

In Morzhovoi (Middle Lagoon), Bluebill, Outer Marker, and Mortensen's Lagoon systems the escapement is estimated by adding estimates of spawning sockeye, about two weeks apart, together.

Pink and Chum Salmon: An approximate 21-day stream life is used to calculate total pink and chum escapements. Fish in saltwater during the final survey are added:

EXAMPLE

Survey Date	Pink	Chum	Fish at Mouth	
July 10	5,000	0	5,000	P
July 17	25,000	0	10,000	P
August 1	100,000	0	10,000	P
August 15	150,000	0	12,000	P
			1,000	CH
September 1	150,000	5,000	2,000	CH
Estimated Total	255,000	7,000		

-Continued-

The estimate of 21 days stream life was used because significant numbers of carcasses seem to appear about three weeks after adult pinks and chums first appear in Alaska Peninsula streams. It is recognized that stream life can vary, however this method is easily duplicated and is comparable from year to year. Variation in stream life is likely a much smaller factor than variation between observers.

With the exception of several small streams, there are no problems of streams being obscured by brush or trees in the Alaska Peninsula and Aleutian Islands Areas. With several exceptions, visibility of spawning grounds is outstanding during periods of normal water flow and clear weather.

Appendix F.5. Salmon escapement survey counts in the South Peninsula, 1995.

Stream	Date M-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		OBSERVER REMARKS
			Stream	Mouth	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
Near Bluff Point												
281-3507	8/10/95	ROD CAMPBELL	E	E		0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
281-3507	8/17/95	JIM MCCULLOUGH	G	G	G	0	0	100	0			DISTANCE SURVEYED: ENTIRE STREAM.
281-3507	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	1100	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 100 pink carcasses.
281-3507	9/12/95	ROD CAMPBELL	G	G	G	0	0	5900	0	200P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 pink salmon carcasses.
Boulder Bay												
281-3506	8/10/95	ROD CAMPBELL	E	E		0	0	0	0	50P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3506	8/17/95	JIM MCCULLOUGH	G	G	F	0	0	50	100	1500P		DISTANCE SURVEYED: ENTIRE STREAM. The 50 pinks seen were in the lagoon.
281-3506	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	1050	400	2500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 100 pink carcasses; 250 pinks were in the lagoon.
281-3506	9/12/95	ROD CAMPBELL	G	G	G	0	0	4000	1000	100P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 pink salmon carcasses. 2,000 of pinks were in the lagoon.
Fox Bay												
281-3505	8/10/95	ROD CAMPBELL	E	E		0	0	0	0	50P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3505	8/17/95	JIM MCCULLOUGH	E	E	G	0	0	0	200	2500P		DISTANCE SURVEYED: ENTIRE STREAM. About 150 of the chum were in the lagoon.
281-3505	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	3800	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 750 pink carcasses; 2,000 pink salmon were in the lagoon.
281-3505	9/12/95	ROD CAMPBELL	G	G	G	0	0	6500	0	200P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,000 pink salmon carcasses.
Fox Bay												
281-3504	8/10/95	ROD CAMPBELL	E	E		0	0	0	0	150P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3504	8/17/95	JIM MCCULLOUGH	E	E	G	0	0	250	500	6500P		DISTANCE SURVEYED: ENTIRE STREAM. About 100 of the pinks were in the lagoon.
281-3504	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	1050	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 100 pink carcasses.
281-3504	9/12/95	ROD CAMPBELL	G	G	G	0	0	3500	0			DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 pink carcasses.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish In Stream Sockeye	Coho	Pink	Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Fox Bay												
281-3502	8/10/95	ROD CAMPBELL	E	E		0	0	0	0	200P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3502	8/17/95	JIM MCCULLOUGH	E	E	G	0	0	2500	800	12000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3502	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	8000	0	20000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 50 pink carcasses; 1,500 pinks were in the lagoon.
281-3502	9/12/95	ROD CAMPBELL	G	G	G	0	0	25000	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,000 pink carcasses.
Fox Bay												
281-3501	8/10/95	ROD CAMPBELL	E	E		0	0	0	0	10P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3501	8/17/95	JIM MCCULLOUGH	E	E	E	0	0	0	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM.
Island Bay												
281-3408	8/10/95	ROD CAMPBELL	E	E		0	0	0	0	300P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3408	8/17/95	JIM MCCULLOUGH	E	E	E	0	0	100	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3408	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	3000	0	5500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3408	9/12/95	ROD CAMPBELL	G	G	G	0	0	10000	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,000 pink carcasses, and 2,000 salmon along the beach.
Island Bay												
281-3407	8/10/95	ROD CAMPBELL	E	E		0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
281-3407	8/17/95	JIM MCCULLOUGH	E	E	E	0	0	150	100	2500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3407	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	1300	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3407	9/12/95	ROD CAMPBELL	G	G	G	0	0	12000	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,500 pink carcasses.
Island Bay												
281-3406	8/10/95	ROD CAMPBELL	E	E		0	0	50	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
281-3406	8/17/95	JIM MCCULLOUGH	E	E	G	0	0	50	0	7500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3406	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	1500	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3406	9/12/95	ROD CAMPBELL	G	G	G	0	0	4000	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,000 pink carcasses.
Island Bay												
281-3405	8/10/95	ROD CAMPBELL	E	E		0	0	0	0			DISTANCE SURVEYED: ENTIRE AREA. Nothing.
281-3405	8/17/95	JIM MCCULLOUGH	G	E	G	0	0	150	300	7500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3405	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	8100	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 200 pink carcasses.
281-3405	9/12/95	ROD CAMPBELL	G	G	G	0	0	17500	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,500 pink carcasses.
Island Bay												
281-3404	8/10/95	ROD CAMPBELL	E	E		0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
281-3404	8/17/95	JIM MCCULLOUGH	E	E	E	0	0	200	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3404	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	2000	0	2500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 50 pink carcasses.
281-3404	9/12/95	ROD CAMPBELL	G	G	G	0	0	2500	0			DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 pink carcasses.
Stonehouse												
281-3403	8/10/95	ROD CAMPBELL	G	G		0	0	0	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 5,000 pinks in deep water and along beach.
281-3403	8/17/95	JIM MCCULLOUGH	E	E	E	0	0	1500	300	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 8,000 pinks in the lagoon.
281-3403	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	8500	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 100 pink carcasses.
281-3403	9/12/95	ROD CAMPBELL	G	G	G	0	0	41500	0			DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,500 pink carcasses.
Osterback's Creek												
281-3402	8/10/95	ROD CAMPBELL	E	E		0	0	300	0	150P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,000 pinks along beach.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
281-3402	8/17/95	JIM MCCULLOUGH	E	E	E	0	0	2700	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3402	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	23000	0	6000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3402	9/12/95	ROD CAMPBELL	G	G	G	0	0	35000	0	6000P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay - balls of fish plus 2,500 pink carcasses. 6,000 of the pinks were in the lagoon.
Granville Bay												
281-3401	7/27/95	ROD CAMPBELL	F	E	E	0	0	0	0	2500P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers off mouth in deep water.
281-3401	8/5/95	JIM MCCULLOUGH	G	G	F	0	0	0	0	300P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in the bay; about 5,000 pinks.
281-3401	8/10/95	ROD CAMPBELL	E	E		0	0	200	0			DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay.
281-3401	8/17/95	JIM MCCULLOUGH	P	E	E	0	0	0	0	3000P		DISTANCE SURVEYED: PARTIAL. Turbulent, could not survey stream. 1,000 pinks in lagoon.
281-3401	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	2900	400	10000P		DISTANCE SURVEYED: ENTIRE STREAM. 1,000 of the pinks were in the lagoon.
281-3401	9/12/95	ROD CAMPBELL	G	G	G	0	0	31000	0			DISTANCE SURVEYED: ENTIRE STREAM.
Granville Portage												
281-3306	8/5/95	JIM MCCULLOUGH	G	G	P	0	0	0	10			DISTANCE SURVEYED: ENTIRE STREAM.
281-3306	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	300	100	100Co		DISTANCE SURVEYED: ENTIRE STREAM. Additional 200 chum carcasses.
281-3306	9/12/95	ROD CAMPBELL	P	P	P	0	0	6000	2000			DISTANCE SURVEYED: ENTIRE STREAM. Muddy water - plus 500 salmon carcasses.
Stepovak River												
281-3305	7/27/95	ROD CAMPBELL	P	P	P	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Main stem muddy zero fish seen in clear tributaries. Bay muddy.
281-3305	8/10/95	ROD CAMPBELL	G	F		0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Main stem muddy lots of jumpers and large balls of fish in bay and along beach.
281-3305	8/28/95	JIM MCCULLOUGH	P	P	P	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. We landed, and where 33.06 and 33.05 join (just inside 33.05) there were 5,000 pinks and 1,000 chum spawning. No coho yet. Muddy water.
281-3305	9/12/95	ROD CAMPBELL	F	P	P	0	0	56000	14000			DISTANCE SURVEYED: ENTIRE STREAM. Main stem and mouth muddy - all clear tributaries full of salmon.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Big River												
281-3304	7/27/95	ROD CAMPBELL	G	P	P	0	0	0	500			DISTANCE SURVEYED: CLEAR TRIBUTARIES ONLY. All fish in lower portion of river. Bay muddy, main stem muddy.
281-3304	8/5/95	JIM MCCULLOUGH	G	P	P	0	0	0	0	1000Ch		DISTANCE SURVEYED: CLEAR TRIBUTARIES ONLY. Thousands of pink and chum salmon jumping from Ramsey Bay to Granville Bay.
281-3304	8/10/95	ROD CAMPBELL	G	F		0	0	0	800			DISTANCE SURVEYED: CLEAR TRIBUTARIES ONLY. Lots of jumpers. Thousands of pinks and chum salmon from Granville Portage to Ramsey Bay.
281-3304	8/17/95	JIM MCCULLOUGH				0	0	0	0	3200P		DISTANCE SURVEYED: PARTIAL. Turbulent, surveyed only lower 3 miles.
281-3304	8/28/95	JIM MCCULLOUGH	G	P	P	0	0	23000	4500	20000P 2000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Few clear tributaries and parts of main stem, although main river was muddy. 200 pink carcasses on beach.
281-3304	9/12/95	ROD CAMPBELL	P	P	P	0	0	25000	4500			DISTANCE SURVEYED: ENTIRE STREAM. Main stem and mouth muddy - clear tributaries murky. Plus 2,000 salmon carcasses. Count low - unable to see well.
Louie's Corner												
281-3303	7/27/95	ROD CAMPBELL	G	P	P	0	0	0	0			DISTANCE SURVEYED: CLEAR TRIBUTARIES ONLY. Main stem muddy.
281-3303	8/10/95	ROD CAMPBELL	G			0	0	0	0			DISTANCE SURVEYED: CLEAR TRIBUTARIES ONLY. Main stem muddy, mouth murky - but lots of jumpers at mouth and along beach.
281-3303	8/28/95	JIM MCCULLOUGH	P	P	P	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Muddy water in both 33.03, 33.02, and 33.01. At least 100,000+ pink and thousands of chum salmon in Ramsey Bay.
281-3303	9/12/95	ROD CAMPBELL	P	P	F	0	0	40000	10000			DISTANCE SURVEYED: ENTIRE STREAM. River muddy but could still see thousands of salmon. Plus 20,000 salmon carcasses.
2nd Stm N Rock Wall												
281-3302	7/27/95	ROD CAMPBELL	P	P	P	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Muddy water.
281-3302	8/10/95	ROD CAMPBELL	P	P		0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Muddy water.
281-3302	9/12/95	ROD CAMPBELL	P	P	P	0	0	5000	10000			DISTANCE SURVEYED: PARTIAL. All salmon seen in a clear lagoon. Plus 5,000 carcasses. Mouth and main stem muddy.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
1st Stm N Rock Wall												
281-3301	7/27/95	ROD CAMPBELL	P	P	P	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Muddy water.
281-3301	8/10/95	ROD CAMPBELL	P	P		0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Muddy water.
281-3301	9/12/95	ROD CAMPBELL	P	P	P	0	0	10000	2500			DISTANCE SURVEYED: PARTIAL. Clear tributaries only. Plus 5,000 carcasses.
Grub Gulch												
281-3207	7/27/95	ROD CAMPBELL	G	G	G	0	0	200	0			DISTANCE SURVEYED: ENTIRE STREAM.
281-3207	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	0	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3207	8/10/95	ROD CAMPBELL	G	G		0	0	500	0			DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,500 pinks along beach.
281-3207	8/15/95	ROD CAMPBELL	G	G	F	0	0	5400	400	500P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay.
281-3207	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	35000	2000	9000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3207	9/12/95	ROD CAMPBELL	G	P	P	0	0	80000	5000			DISTANCE SURVEYED: ENTIRE STREAM. Mouth and bay muddy. Plus 10,000 carcasses.
Clark Bay SW												
281-3205	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen. However, setnet at point was plugged with fish.
281-3205	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. May have missed a few salmon due to turbulence, but would have seen any buildups.
281-3205	8/10/95	ROD CAMPBELL	G	G		0	0	0	50			DISTANCE SURVEYED: ENTIRE STREAM. All fish in pool near mouth.
281-3205	8/15/95	ROD CAMPBELL	G	G	F	0	0	1500	500	500P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay.
281-3205	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	8000	1000	6000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3205	9/12/95	ROD CAMPBELL	G	G	G	0	0	35000	1000			DISTANCE SURVEYED: ENTIRE STREAM. Plus 5,000 carcasses.
Little Norway												
281-3204	7/27/95	ROD CAMPBELL	E	E	E	0	0	0	0	400P		DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date M-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		OBSERVER REMARKS
			Stream	Mouth	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
281-3204	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	1600	0	200P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3204	8/10/95	ROD CAMPBELL	G	G		0	0	2200	0	600P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,500 salmon along beach.
281-3204	8/15/95	ROD CAMPBELL	G	G	F	0	0	4000	400	2500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-3204	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	16000	2000	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Still lots of jumpers in the deep water in cnter of the bay.
281-3204	9/12/95	ROD CAMPBELL	G	G	G	0	0	31000	2500			DISTANCE SURVEYED: ENTIRE STREAM. Plus 5,000 salmon carcasses.
Orzinski Bay												
281-3103	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	100	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent, may have missed a few but would have seen any buildups.
281-3103	8/10/95	ROD CAMPBELL	G	G	G	0	0	900	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay plus 2,000 salmon along beach.
281-3103	8/15/95	ROD CAMPBELL	G	G	G	300	0	12000	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay. The sockeye were on the south side of the lake.
281-3103	8/28/95	JIM MCCULLOUGH	E	E	E	0	0	14000	0	8000P		DISTANCE SURVEYED: LAKE O UTLET ON LY. Additional 3,000 pinks along the beach. Additional 1,000 pink carcasses.
281-3103	9/12/95	ROD CAMPBELL	G	G	G	0	0	18000	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM. Lake full of spawning salmon. Plus 5,000 salm 00 salmo n carcasses.
Windbound Bay												
281-2004	7/27/95	ROD CAMPBELL	E	E	E	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
281-2004	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
281-2004	8/10/95	ROD CAMPBELL	G	G		0	0	100	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 100 salmon along beach.
281-2004	8/15/95	ROD CAMPBELL	G	G	F	0	0	300	0	2500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-2004	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	6500	0	4000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 300 pink carcasses. Excellent weather, we got further upstream than I've ever flown before.
281-2004	9/12/95	ROD CAMPBELL	G	G	G	0	0	19500	0			DISTANCE SURVEYED: ENTIRE STREAM. Plus 5,000 pink carcasses.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Chichagof Bay E Side												
281-2003	7/27/95	ROD CAMPBELL	E	E	E	0	0	0	0	1000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
281-2003	8/8/95	ROD CAMPBELL	G	G	G	0	0	0	0	3000P 200Ch		DISTANCE SURVEYED: ENTIRE STREAM. Upper portion of stream dry. Lots of jumpers in deep off mouth and along beach.
281-2003	8/10/95	ROD CAMPBELL	G	G		0	0	200	0			DISTANCE SURVEYED: ENTIRE STREAM.
281-2003	8/15/95	ROD CAMPBELL	G	G	F	0	0	300	0			DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay.
281-2003	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	3800	200	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 300 carcasses.
281-2003	9/12/95	ROD CAMPBELL	G	G	G	0	0	20000	400			DISTANCE SURVEYED: ENTIRE STREAM. Plus 4,500 pink carcasses.
Chichagof Bay Stream												
281-2002	7/27/95	ROD CAMPBELL	E	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
281-2002	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	0	0	6000P		DISTANCE SURVEYED: PARTIAL. Could not survey upper spring area due to turbulence, nothing in the lagoon.
281-2002	8/8/95	ROD CAMPBELL	G	G	G	0	0	2000	500	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 5,000 pinks in lagoon outlet.
281-2002	8/10/95	ROD CAMPBELL	G	G		0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay.
281-2002	8/15/95	ROD CAMPBELL	G	G	F	0	0	5000	0			DISTANCE SURVEYED: ENTIRE STREAM.
281-2002	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	21000	500	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 400 chum carcasses.
281-2002	9/12/95	ROD CAMPBELL	G	G	G	0	0	52000	0			DISTANCE SURVEYED: ENTIRE STREAM. Plus 10,000 pink carcasses.
Chichagof Bay W Side												
281-2001	7/27/95	ROD CAMPBELL	E	E	G	0	0	0	0	300Ch		DISTANCE SURVEYED: ENTIRE STREAM.
281-2001	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	3500	0	2500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-2001	8/8/95	ROD CAMPBELL	G	G	G	0	0	3000	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
281-2001	8/10/95	ROD CAMPBELL	G	G		0	0	3000	0			DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay - 50,000+.
281-2001	8/15/95	ROD CAMPBELL	G	G	F	0	0	5700	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay.
281-2001	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	21000	500	6000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 pink and 300 chum carcasses.
281-2001	9/12/95	ROD CAMPBELL	G	G	G	0	0	21000	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 15,000 pink carcasses.
West Cove												
281-1004	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
281-1004	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
281-1004	8/10/95	ROD CAMPBELL	G	G		0	0	0	0	200P		DISTANCE SURVEYED: ENTIRE STREAM.
281-1004	8/15/95	ROD CAMPBELL	F	F	F	0	0	0	0	200P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
281-1004	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	7000	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-1004	9/12/95	ROD CAMPBELL	G	G	G	0	0	12500	0			DISTANCE SURVEYED: ENTIRE STREAM. Plus 5,000 pink carcasses.
Suzy Creek												
281-1003	7/25/95	ROD CAMPBELL		G		0	0	0	0	5200P		DISTANCE SURVEYED: ENTIRE STREAM. Beaver Survey. Turbulent. 200 pinks at mouth, remaining 5,000 in deep just off mouth, plus lots of jumpers in deep water.
281-1003	7/27/95	ROD CAMPBELL	E	E	E	0	0	5000	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-1003	8/1/95	ARNIE SHAUL	G			0	0	14000	0			DISTANCE SURVEYED: ENTIRE STREAM.
281-1003	8/5/95	JIM MCCULLOUGH	P	G	G	0	0	6000	0	5000P		DISTANCE SURVEYED: LOWER TWO MILE S ONLY. Partial survey due to turbulence. One beach seiner looking as if it was working the closed expanded area.
281-1003	8/8/95	ROD CAMPBELL	G	G		0	0	15000	0	3500P		DISTANCE SURVEYED: ENTIRE STREAM. 10,000 pinks in deep water, lots of jumpers all over.
281-1003	8/10/95	ROD CAMPBELL	G	G		0	0	18000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in deep water.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Coho	Pink	Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
281-1003	8/15/95	ROD CAMPBELL	G	G	G	0	0	30000	0	15000P		DISTANCE SURVEYED: ENTIRE STREAM. Still lots of jumpers in deep water.
281-1003	8/21/95	JIM MCCULLOUGH	G	E	E	0	0	79000	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Few carcasses in the upper portion of the stream. Could hold a few more fish.
281-1003	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	75000	0	12000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 10,000 pink carcasses in upper portion. Low portion of stream looks good on escapement now.
281-1003	9/12/95	ROD CAMPBELL	G	G	G	0	0	108000	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 50,000 pink carcasses.
Dorenoi Bay NE River												
281-1002	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
281-1002	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	0	0	400P		DISTANCE SURVEYED: ENTIRE STREAM.
281-1002	8/10/95	ROD CAMPBELL	G	G		0	0	100	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,500 salmon along beach.
281-1002	8/15/95	ROD CAMPBELL	F	F	F	0	0	200	0	300P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
281-1002	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	7000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-1002	9/12/95	ROD CAMPBELL	G	G	G	0	0	12200	0			DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,000 pink carcasses.
Dorenoi Bay SW												
281-1001	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0		2500P	DISTANCE SURVEYED: ENTIRE STREAM. All 2,500 pinks just off mouth and along beach.
281-1001	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	1500	0	600P		DISTANCE SURVEYED: ENTIRE STREAM.
281-1001	8/10/95	ROD CAMPBELL	G	G		0	0	1500	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-1001	8/15/95	ROD CAMPBELL	F	G	F	0	0	1300	0			DISTANCE SURVEYED: PARTIAL SURVEY. First 1/2 mile only. Turbulent.
281-1001	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	16000	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-1001	9/12/95	ROD CAMPBELL	G	G	G	0	0	24000	0			DISTANCE SURVEYED: ENTIRE STREAM. Plus 8,000 pink carcasses.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
San Diego Lgn & Strm												
281-9004	7/27/95	ROD CAMPBELL	E	E	E	0	0	0	0	600P		DISTANCE SURVEYED: ENTIRE STREAM.
281-9004	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	3500	1000	1500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-9004	8/8/95	ROD CAMPBELL	G	G		0	0	2500	600			DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 pinks in lagoon.
281-9004	8/10/95	ROD CAMPBELL	G	G		0	0	2500	1000	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Pink salmon in mouth were backing out into bay.
281-9004	8/15/95	ROD CAMPBELL	G	G	G	0	0	2800	800			DISTANCE SURVEYED: ENTIRE STREAM.
281-9004	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	22500	1000	300P		DISTANCE SURVEYED: ENTIRE STREAM. 18,000 of the pinks were in the lower lagoon spawning. Additional 100 chum carcasses.
281-9004	9/12/95	ROD CAMPBELL	G	G	G	0	0	28000	900			DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,000 salmon carcasses.
W Side San Diego Bay												
281-9003	7/27/95	ROD CAMPBELL	E	E	E	0	0	300	0		200P	DISTANCE SURVEYED: ENTIRE STREAM.
281-9003	8/8/95	ROD CAMPBELL	G	G		0	0	0	300	6000P		DISTANCE SURVEYED: ENTIRE STREAM. 6,000 pinks off mouth. Lots of jumpers, dark balls of fish in deep water and along beach.
281-9003	8/10/95	ROD CAMPBELL	G	G		0	0	0	300			DISTANCE SURVEYED: ENTIRE STREAM.
281-9003	8/15/95	ROD CAMPBELL	G	G	G	0	0	0	300	500P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 salmon along beach.
281-9003	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	150	0			DISTANCE SURVEYED: ENTIRE STREAM.
281-9003	9/12/95	ROD CAMPBELL	G	G	G	0	0	2200	0			DISTANCE SURVEYED: ENTIRE STREAM. Plus 100 pink carcasses.
Rough Beach												
281-9002	7/25/95	ROD CAMPBELL			G	0	0	0	0			DISTANCE SURVEYED: BAY ONLY. 500 pinks along beach. Beaver survey.
281-9002	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0		2000P	DISTANCE SURVEYED: ENTIRE STREAM. The 2,000 pinks were along the beach.
281-9002	8/1/95	ARNIE SHAUL	F			0	0	7000	0			DISTANCE SURVEYED: ENTIRE STREAM. Poor light. Grumman Goose survey.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
281-9002	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	2500	0	200P		DISTANCE SURVEYED: ENTIRE STREAM.
281-9002	8/10/95	ROD CAMPBELL	G	G		0	0	7500	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,000 salmon along beach.
281-9002	8/15/95	ROD CAMPBELL	G	G	F	0	0	12000	0	6000P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent. Lots of jumpers along beach.
281-9002	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	26000	0	7000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,000 carcasses.
281-9002	9/12/95	ROD CAMPBELL	G	G	G	0	0	75000	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 10,000 pink carcasses.
Swedania Pt. Stream												
281-9001	7/27/95	ROD CAMPBELL	E	E	E	0	0	0	0	150P		DISTANCE SURVEYED: ENTIRE STREAM.
281-9001	8/1/95	ARNIE SHAUL	F			0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Nothing. Grumman Goose survey.
281-9001	8/5/95	JIM MCCULLOUGH	G	G	G	0	0	200	0	600P		DISTANCE SURVEYED: ENTIRE STREAM.
281-9001	8/10/95	ROD CAMPBELL	G	G		0	0	3500	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-9001	8/15/95	ROD CAMPBELL	P	F	F	0	0	11600	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent. High altitude survey. Lots of jumpers.
281-9001	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	23000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-9001	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	100	0	200P		DISTANCE SURVEYED: ENTIRE STREAM. This stream has no name (Albatross?).
281-9001	9/12/95	ROD CAMPBELL	G	G	G	0	0	62500	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.
Ballast Is. Stream												
281-8016	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
281-8016	8/5/95	ROD CAMPBELL		F		0	0	0	0			DISTANCE SURVEYED: MOUTH ONLY. Nothing.
281-8016	8/10/95	JIM MCCULLOUGH	G	G	F	0	0	10	0	200P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8016	8/15/95	ROD CAMPBELL	F	F	F	0	0	0	0	100P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
281-8016	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	100	0	100P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8016	9/12/95	JIM MCCULLOUGH	G	G	G	0	0	100	50			DISTANCE SURVEYED: ENTIRE STREAM.
Coleman Creek												
281-8015	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
281-8015	8/5/95	ROD CAMPBELL	G	G	G	0	0	100	50	100P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8015	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	100	800	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Someone took most of the chum escapement into the creek, about 200 dead chum salmon in the bay, well past the closed water markers.
281-8015	8/15/95	ROD CAMPBELL				0	0	500	800			DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
281-8015	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	7000	1000	6000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,000 pink carcasses.
281-8015	9/12/95	JIM MCCULLOUGH	G	G	G	0	0	24000	4000	4000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,500 pink and 300 chum carcasses, mostly at the stream mouth.
Johnson Creek												
281-8014	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0	150P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8014	8/5/95	ROD CAMPBELL	G	G	G	0	0	100	200	200P		DITANCE SURVEYED: ENTIRE STREAM.
281-8014	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	6600	200	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8014	8/15/95	ROD CAMPBELL	F	F	F	0	0	10000	500	500P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
281-8014	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	12000	0	4000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8014	9/12/95	JIM MCCULLOUGH	G	G	G	0	0	19000	3000	4000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,000 pink and 300 chum carcasses.
Foster's Camp Creek												
281-8012	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0	100P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 100 pinks along beach between 80.11 and 80.12.00

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
281-8012	8/5/95	ROD CAMPBELL	F	F	F	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
281-8012	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	400	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8012	8/15/95	ROD CAMPBELL	F	F	F	0	0	500	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
281-8012	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	600	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8012	9/12/95	JIM MCCULLOUGH	E	E	E	0	0	1500	200	100P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 pink carcasses.
Monolith Pt. Creek												
281-8011	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. 100 pinks along beach west of 80.11.
281-8011	8/5/95	ROD CAMPBELL	F	F	F	0	0	0	0	200P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8011	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	1100	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8011	8/15/95	ROD CAMPBELL	F	F	F	0	0	1300	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent. Lots of jumpers at mouth.
281-8011	8/30/95	JIM MCCULLOUGH	G	G	G	0	0	1500	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 300 pink carcasses.
281-8011	9/12/95	JIM MCCULLOUGH	E	E	E	0	0	3000	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,500 pink carcasses.
Foster Creek												
281-8009	7/27/95	ROD CAMPBELL	E	E	E	0	0	1500	0	100P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8009	8/5/95	ROD CAMPBELL	G	G	G	0	0	6500	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM. 5,000 pinks along beach west of 80.09, plus other smaller schools between 80.09 and 80.08.
281-8009	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	14000	0	4300P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of pinks between Lefthand Bay and Fosters Creek.
281-8009	8/15/95	ROD CAMPBELL	F	F	F	0	0	22000	0	2500P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent. Lots of jumpers between 80.08 and 80.09.
281-8009	8/30/95	JIM MCCULLOUGH	G	E	G	0	0	28000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8009	9/12/95	JIM MCCULLOUGH	E	E	E	0	0	19000	400			DISTANCE SURVEYED: ENTIRE STREAM. Additional 2,000 pink carcasses.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Lefthand Bay Kagayan												
281-8008	7/25/95	ROD CAMPBELL			F	0	0	0	0			DISTANCE SURVEYED: BAY ONLY. Turbulent. Water dark and choppy - nothing. Beaver survey.
281-8008	7/27/95	ROD CAMPBELL	E	E	E	0	0	350	500	100P		DISTANCE SURVEYED: ENTIRE STREAM. 500 pinks along beach.
281-8008	8/5/95	ROD CAMPBELL	G	G	G	0	0	5500	500	1000P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers off mouth plus 4,000 pinks along south side of Lefthand Bay east of 80.08 .
281-8008	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	9100	3500	7500P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers and pink schools along the beach and in the bay.
281-8008	8/15/95	ROD CAMPBELL	F	F	F	0	0	18000	3000	5000P		DISTANCE SURVEYED: ENTIRE STREAM. Upper portion murky.
281-8008	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	500	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM. Just east of Lefthand.
281-8008	8/30/95	JIM MCCULLOUGH	G	G	G	0	0	14000	2800	8000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,000 pink and 1,000 chum carcasses.
281-8008	9/12/95	JIM MCCULLOUGH	G	G	G	0	300	4000	400	1000Co 3000P		DISTANCE SURVEYED: ENTIRE STREAM. A few salmon got over the falls. Additional 3,000 pink and 500 chum carcasses.
Cape Aliaksin, East												
281-8006	8/5/95	ROD CAMPBELL	F	F	F	0	0	0	0	150P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8006	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	4500	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8006	8/15/95	ROD CAMPBELL	G	F	F	0	0	19600	0			DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
281-8006	8/30/95	JIM MCCULLOUGH	E	G	G	0	0	19000	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8006	9/12/95	JIM MCCULLOUGH	E	E	E	0	0	7000	0			DISTANCE SURVEYED: ENTIRE STREAM. Lots of carcasses.
Cape Aliaksin, Cntr												
281-8005	8/5/95	ROD CAMPBELL	F	F	F	0	0	0	0	500P		DISTANCE SURCEYED: ENTIRE STREAM.
281-8005	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	600	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8005	8/15/95	ROD CAMPBELL	F	F	F	0	0	600	0			DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
281-8005	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	11000	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8005	9/12/95	JIM MCCULLOUGH	E	E	E	0	0	1500	0			DISTANCE SURVEYED: ENTIRE STREAM. Lots of carcasses.
Cape Aliaksin, West												
281-8004	8/5/95	ROD CAMPBELL	F	F	F	0	0	300	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8004	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	5500	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8004	8/15/95	ROD CAMPBELL	F	F	F	0	0	6800	0			DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
281-8004	8/30/95	JIM MCCULLOUGH	E	E	E	0	0	24000	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-8004	9/12/95	JIM MCCULLOUGH	E	E	E	0	0	3000	0			DISTANCE SURVEYED: ENTIRE STREAM. Lots of carcasses.
Beaver River												
281-7005	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. 3,000 salmon along beach and off mouth.
281-7005	8/2/95	ROD CAMPBELL	P	P		0	0	500	1500			DISTANCE SURVEYED: PARTIA L SURVEY . First 1/2 mile only. Turbulent - murky water.
281-7005	8/5/95	ROD CAMPBELL	P	P	P	0	0	3500	4000	500P		DISTANCE SURVEYED: ENTIRE STREAM. Main stem muddy clear tributaries murky. Lots of movement but difficult to get good count and ID species. Count probably low. Plus 20,000 pinks along beach. About 100 sharks in bay off mouth.
281-7005	8/10/95	JIM MCCULLOUGH	G	F	F	0	0	21000	6000	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Main stem was muddy, side channel and upper river were O.K.
281-7005	8/15/95	ROD CAMPBELL	F	F	F	0	0	21600	0			DISTANCE SURVEYED: PARTIAL. Lower half only. Turbulent - murky water. Lots of jumpers all over bay.
281-7005	8/30/95	JIM MCCULLOUGH	G	G	G	0	0	53000	8100	2000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,500 pink and 1,500 chum carcasses.
281-7005	9/12/95	JIM MCCULLOUGH	P	P	G	0	0	0	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Poor conditions. From what I could see through the muddy water, the escapement looked good.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish In Stream Sockeye	Fish In Stream Coho	Fish In Stream Pink	Fish In Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Smiley's Creek												
281-7004	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
281-7004	8/2/95	ROD CAMPBELL	F	P		0	0	200	0			DISTANCE SURVEYED: PARTIA L SURVEY . All fish in lower 1/4 mile of stream. Very turbulent.
281-7004	8/5/95	ROD CAMPBELL	G	G	G	0	0	400	0	100P		DISTANCE SURVEYED: ENTIRE STREAM.
281-7004	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	7000	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-7004	8/15/95	ROD CAMPBELL	F	F	F	0	0	8200	0	300P		DISTANCE SURVEYED: ENTIRE STREAM. Turbulent. Plus 3,000 salmon along beach and lots of jumpers.
281-7004	8/30/95	JIM MCCULLOUGH	E	G	G	0	0	18000	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM.
281-7004	9/12/95	JIM MCCULLOUGH	G	G	G	0	0	200	0	100P		DISTANCE SURVEYED: ENTIRE STREAM. Thousands of carcasses.
Dry Lagoon												
282-1302	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
282-1302	8/1/95	JIM MCCULLOUGH	F	P	P	0	0	200	75			DISTANCE SURVEYED: ENTIRE STREAM. Big surf along beach.
282-1302	8/5/95	ROD CAMPBELL	G	G	G	0	0	10500	500			DISTANCE SURVEYED: ENTIRE STREAM.
282-1302	8/7/95	ARNIE SHAUL	G			0	0	50000	0			DISTANCE SURVEYED: ENTIRE STREAM. Most in lower end. Looks good.
282-1302	8/8/95	ROD CAMPBELL	G	G	G	0	0	41000	0			DISTANCE SURVEYED: ENTIRE STREAM. Includes 3,000 pinks in lagoon.
282-1302	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	41000	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,000 pinks in the lagoon.
282-1302	8/15/95	JIM MCCULLOUGH	E	G	G	0	0	55000	1500	500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 pinks in the lagoon and another 200 carcasses that likely died due to lack of oxygen.
282-1302	8/30/95	JIM MCCULLOUGH	G	G	G	0	0	27000	0	100P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 pinks in the lagoon and 3,000 pink carcasses.
282-1302	9/13/95	JIM MCCULLOUGH	G	G	G	0	50	7000	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional thousands of carcasses.
Bay Point												
282-1303	7/27/95	ROD CAMPBELL	G	G	G	0	0	6000	0			DISTANCE SURVEYED: ENTIRE STREAM. 1,500 pinks In lagoon - balance in stream .

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
282-1303	8/1/95	JIM MCCULLOUGH	G	F	P	0	0	15500	10			DISTANCE SURVEYED: ENTIRE STREAM. Big surf along the beach.
282-1303	8/5/95	ROD CAMPBELL	G	G	G	0	0	18000	0	200P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,500 pinks in lagoon.
282-1303	8/7/95	ARNIE SHAUL	G			0	0	65000	0			DISTANCE SURVEYED: ENTIRE STREAM. Most in lower end. Additional fish in lagoon, but too choppy. Good escapement.
282-1303	8/8/95	ROD CAMPBELL	F	G		0	0	45000	0			DISTANCE SURVEYED: ENTIRE STREAM. 4,500 pinks in lagoon - upper portion of stream bed dark - large balls of fish. Estimate may be low.
282-1303	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	75000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,500 pinks in the lagoon.
282-1303	8/15/95	JIM MCCULLOUGH	E	E	E	0	0	105000	2000	500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 7,000 pinks in the lagoon. Most salmon are still in the lower portion of the stream.
282-1303	8/30/95	JIM MCCULLOUGH	E	E	G	0	0	51000	0			DISTANCE SURVEYED: ENTIRE STREAM. 3,000 of the pinks were in the lagoon. Additional 5,000 pink carcasses.
282-1303	9/13/95	JIM MCCULLOUGH	G	G	G	0	50	10000	1500	10Co		DISTANCE SURVEYED: ENTIRE STREAM. Additional thousands of carcasses.
Pinnacle Point Strm.												
282-1304	7/27/95	ROD CAMPBELL	G	G	G	0	0	600	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1304	8/1/95	JIM MCCULLOUGH	F	P	P	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Big surf along the beach
282-1304	8/5/95	ROD CAMPBELL	F	G	G	0	0	0	0	25P		DISTANCE SURVEYED: ENTIRE STREAM. Stream bed dark difficult to see.
282-1304	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	200	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1304	8/15/95	JIM MCCULLOUGH	E	G	G	0	0	7500	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1304	8/30/95	JIM MCCULLOUGH	G	G	G	0	0	12000	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1304	9/13/95	JIM MCCULLOUGH				0	0	3000	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 4,000 pink carcasses.
2nd Str S of Pinn Pt												
282-1305	7/27/95	ROD CAMPBELL				0	0	0	0			DISTANCE SURVEYED: STREAM MOUTH BLOCKED.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
282-1305	9/13/95	JIM MCCULLOUGH				0	0	10	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 30 pink carcasses.
3rd Str S of Pinn Pt												
282-1306	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
282-1306	8/1/95	JIM MCCULLOUGH	F	P	P	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1306	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1306	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1306	8/30/95	JIM MCCULLOUGH	E	G	E	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1306	9/13/95	JIM MCCULLOUGH				0	0	50	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 50 pink carcasses.
Apollo Creek Minor												
282-1002	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
282-1002	8/1/95	JIM MCCULLOUGH	G	P	P	0	0	250	0	100P		DISTANCE SURVEYED: ENTIRE STREAM. Big surf along the beach.
282-1002	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	20000	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Good escapement, fish mostly in lower portion of river.
282-1002	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	25000	0	200P		DISTANCE SURVEYED: ENTIRE STREAM. Well distributed throughout the stream. Very good escapement.
282-1002	8/30/95	JIM MCCULLOUGH	G	E	E	0	0	18000	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1002	9/13/95	JIM MCCULLOUGH	G	G	G	0	0	9000	0	100P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 2,000 pink carcasses.
Apollo Creek Major												
282-1003	7/27/95	ROD CAMPBELL	G	G	G	0	0	150	0			DISTANCE SURVEYED: ENTIRE AREA.
282-1003	8/1/95	JIM MCCULLOUGH	G	P	P	0	0	0	0	10P		DISTANCE SURVEYED: ENTIRE STREAM. Big surf along the beach.
282-1003	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	1000	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1003	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	12000	0	200P		DISTANCE SURVEYED: ENTIRE STREAM. All in lower portion of the stream.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
282-1003	8/28/95	JIM MCCULLOUGH	G	G	G	0	0	35000	0			DISTANCE SURVEYED: ENTIRE STREAM. Big surf, most fish still in balls in stream.
282-1003	9/13/95	JIM MCCULLOUGH	G	G	G	0	0	19000	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 2,500 pink carcasses.
Acheredin Lake												
282-1004	7/27/95	ROD CAMPBELL	G	G	G	500	0	0	0			DISTANCE SURVEYED: ENTIRE AREA. All 500 sockeye in lake.
282-1004	8/1/95	JIM MCCULLOUGH	F	P	P	600	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Gray skies and unclear water.
282-1004	8/15/95	JIM MCCULLOUGH	G	G	G	4600	0	0	0	200Co		DISTANCE SURVEYED: ENTIRE STREAM. Sockeye are colored and schooled, the species I.D. at the mouth may be incorrect.
282-1004	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	500	0			DISTANCE SURVEYED: MOUTH ONLY. Big surf on beach. Pinks were spawning on lake outlet and first tributary just to the east of the lagoon mouth.
282-1004	9/13/95	JIM MCCULLOUGH	G	G	E	3300	0	3000	0	100P		DISTANCE SURVEYED: ENTIRE STREAM. Pink salmon spawning at lake outlet.
Unnamed												
282-1010	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	0	0	50P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1010	9/13/95	JIM MCCULLOUGH	G	G	G	0	0	200	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 200 pink carcasses.
Apollo Gold Mine												
282-1011	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	100	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1011	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	3500	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1011	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	4000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. Another 10,000 pinks in the bay.
282-1011	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	17000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 35,000 pinks in the lagoon. Probably another 25,000 pinks in the bay.
282-1011	9/13/95	JIM MCCULLOUGH	E	E	E	0	0	19000	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM. 4,000 of the pink salmon were in the lagoon.
Unga Cape Stream												
282-1012	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
282-1012	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	150	0	200P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1012	9/13/95	JIM MCCULLOUGH	E	E	E	0	0	800	0	100P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 300 pink carcasses.
Johnny Nelson Lake (Baralof Bay)												
282-1013	8/5/95	ROD CAMPBELL	F	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
282-1013	8/10/95	JIM MCCULLOUGH	G	G	G	100	0	0	100			DISTANCE SURVEYED: ENTIRE STREAM. Fish in the lake.
282-1013	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	100	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1013	8/28/95	JIM MCCULLOUGH	E	E	E	500	0	3000	500	3500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1013	9/13/95	JIM MCCULLOUGH	E	E	E	400	200	3000	300			DISTANCE SURVEYED: ENTIRE STREAM. Additional 200 chum carcasses.
Squaw Hbr. Minor												
282-1014	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1014	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	100	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1014	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	1000	0	15000P		DISTANCE SURVEYED: ENTIRE AREA.
282-1014	8/28/95	JIM MCCULLOUGH	G	G	G	0	0	6000	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of pink jumpers in the bay, probably another 30,000 - 50,000 pinks.
282-1014	9/13/95	JIM MCCULLOUGH	E	E	G	0	0	7000	0	4000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 100 pink carcasses.
Squaw Hbr. Major												
282-1015	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	400	0			DISTANCE SURVEYED: ENTIRE STREAM. Salmon are in the lower portion of the stream.
282-1015	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	1000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1015	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	21000	500	25000P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1015	8/21/95	JIM MCCULLOUGH			E	0	0	0	0			DISTANCE SURVEYED: BAY ONLY. Mouth of minor had 10,000 pinks, mouth of major had 6,000 pinks, bay had another 8,000 pinks.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
282-1015	8/28/95	JIM MCCULLOUGH	G	E	E	0	0	52000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. Most fish are still in balls in lower stream.
282-1015	9/13/95	JIM MCCULLOUGH	E	E	E	0	0	66000	0	8000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 2,000 pink carcasses.
Ben Green Bight-Farm												
282-1016	7/27/95	ROD CAMPBELL	G	G	G	0	0	200	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1016	8/1/95	JIM MCCULLOUGH	G	G	G	0	0	150	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1016	8/10/95	JIM MCCULLOUGH	G	G	G	0	0	1500	0	300P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 400 pinks on the lagoon.
282-1016	8/15/95	JIM MCCULLOUGH	E	E	G	0	0	2000	500	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,000 pinks in lagoon.
282-1016	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	9000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 300 chum and 300 pink carcasses.
282-1016	9/13/95	JIM MCCULLOUGH	E	G	G	0	0	12000	1000	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 200 chum and 2,000 pink carcasses.
NE Unga Is.												
282-1017	9/13/95	JIM MCCULLOUGH	E	E	E	0	0	30	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 40 pink carcasses.
Red Cove-Popof												
282-1020	8/26/95	JIM MCCULLOUGH		E		0	0	0	0	200Co		DISTANCE SURVEYED: MOUTH ONLY. I am sure these coho went into the lake, they were trying to swim up the lake outlet during low tide. They likely made it during high tide.
282-1020	8/30/95	JIM MCCULLOUGH	G	G	G	0	0	0	0	100Co 500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1020	9/12/95	JIM MCCULLOUGH	G	G	G	0	300	0	0	25Co		DISTANCE SURVEYED: ENTIRE STREAM. One hundred 2 pound Dolly Varden near inlet stream.
Zachary Bay												
282-1210	7/25/95	ROD CAMPBELL			F	0	0	0	0			DISTANCE SURVEYED: BAY ON LY. Tur bulent - choppy, nothing. Beaver survey.
282-1210	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
282-1210	8/10/95	JIM MCCULLOUGH		G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. About 2,000 pinks or more off each stream mouth, jumpers still out in the bay.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
282-1210	8/15/95	JIM MCCULLOUGH	E	E	G	0	0	10	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1210	8/28/95	JIM MCCULLOUGH			G	0	0	0	0			DISTANCE SURVEYED: BAY ONLY. Several streams between North Head and West head has 1,000 to 4,000 pinks near each stream mouth.
282-1210	8/28/95	JIM MCCULLOUGH	E	E	E	0	0	50	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1210	9/13/95	JIM MCCULLOUGH				0	0	200	100			DISTANCE SURVEYED: ENTIRE STREAM. Additional 250 pink carcasses.
1st Stm S. of Qtz Pt												
282-1209	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
282-1209	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	0	0	100P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1209	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	200	0	300P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1209	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	1500	0	2500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,500 pink carcasses.
282-1209	9/13/95	JIM MCCULLOUGH				0	0	2200	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 3,000 pink carcasses.
2nd Stm S. of Qtz Pt												
282-1208	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. No fish seen.
282-1208	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	50	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1208	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	250	0	2500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1208	8/28/95	JIM MCCULLOUGH	E	E	G	0	0	2000	0	3500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 100 pink carcasses.
282-1208	9/13/95	JIM MCCULLOUGH				0	0	600	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 800 pink carcasses.
Zachary Bay												
282-1207	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0	150Ch		DISTANCE SURVEYED: ENTIRE STREAM.
282-1207	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	0	0	750P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1207	8/15/95	JIM MCCULLOUGH	E	E	G	0	0	300	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
282-1206	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	0	0	750P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1206	8/15/95	JIM MCCULLOUGH	E	E	G	0	0	50	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1206	8/28/95	JIM MCCULLOUGH	E	E	E	0	0	100	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 100 pink carcasses.
282-1206	9/13/95	JIM MCCULLOUGH				0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 300 pink carcasses.
Zachary Bay												
282-1205	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0	50Ch		DISTANCE SURVEYED: ENTIRE STREAM.
282-1205	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	0	500	2500P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 300 chum carcasses.
282-1205	8/15/95	JIM MCCULLOUGH	E	E	G	0	0	2300	0	4000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 chum carcasses.
282-1205	8/28/95	JIM MCCULLOUGH	E	E	E	0	0	7000	0	7500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 5,000 pink carcasses.
282-1205	9/13/95	JIM MCCULLOUGH	E	E	E	0	0	7000	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 4,000 pink carcasses.
Zachary Bay												
282-1204	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0	100Ch		DISTANCE SURVEYED: ENTIRE STREAM.
282-1204	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	0	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1204	8/15/95	JIM MCCULLOUGH	E	E	G	0	0	200	0	4000P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1204	8/28/95	JIM MCCULLOUGH	E	E	E	0	0	3000	0	7500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 pink carcasses.
282-1204	9/13/95	JIM MCCULLOUGH	E	G	E	0	0	2300	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 4,000 pink carcasses.
Zachary Bay												
282-1203	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	50	300Ch		DISTANCE SURVEYED: ENTIRE STREAM.
282-1203	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	0	0	25P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1203	8/15/95	JIM MCCULLOUGH	E	E	G	0	0	500	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
282-1203	8/28/95	JIM MCCULLOUGH	E	E	E	0	0	3000	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Additonal 2,000 pink carcasses.
282-1203	9/13/95	JIM MCCULLOUGH	G	G	G	0	0	700	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 4,000 pink carcasses.
Zachary Bay												
282-1202	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1202	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	25	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1202	8/15/95	JIM MCCULLOUGH	E	E	G	0	0	500	0	750P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1202	8/28/95	JIM MCCULLOUGH	E	E	E	0	0	4500	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1202	9/13/95	JIM MCCULLOUGH	G	G	G	0	0	400	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 2,000 pink carcasses.
Coal Harbor West												
282-1201	7/27/95	ROD CAMPBELL	G	G	G	0	0	0	0	200Ch		DISTANCE SURVEYED: ENTIRE STREAM.
282-1201	8/1/95	JIM MCCULLOUGH	G	G	F	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1201	8/15/95	JIM MCCULLOUGH	E	E	G	0	0	300	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM. Still lots of schools and jumpers in bay.
282-1201	8/28/95	JIM MCCULLOUGH	E	E	E	0	0	100	0	6000P		DISTANCE SURVEYED: ENTIRE STREAM. Where are all those pinks at the mouth going to spawn in this tiny creek? Plus 25 chum salmon.
282-1201	9/13/95	JIM MCCULLOUGH	G	G	G	0	0	500	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 pink carcasses.
Humboldt Creek-Popof												
282-1018	8/26/95	JIM MCCULLOUGH	E	G		0	3	1000	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. FOOT SURVEY. Few pink cacasses. Kids and dogs killing pinks and wasting them, kids dipnetting coho.
282-1018	9/12/95	JIM MCCULLOUGH	G	G	G	0	125	1075	0			DISTANCE SURVEYED: ENTIRE STREAM. 50 pink above lake, 25 pink in lake, 1,000 pink below road; 100 coho in lake; 25 coho below road. Plus 1,500 pink carcasses.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Salmon Ranch-Popof												
282-1101	8/5/95	ROD CAMPBELL	G	G	G	0	0	0	0	600P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1101	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	2200	0	6000P		DISTANCE SURVEYED: ENTIRE STREAM. A few carcasses noticeable.
282-1101	8/30/95	JIM MCCULLOUGH	G	G	G	0	0	2000	0	15000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 200 pink carcasses.
282-1101	9/12/95	JIM MCCULLOUGH	E	E	E	0	0	1500	0	15000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 pink carcasses.
Fox Hole-Popof												
282-1103	8/5/95	ROD CAMPBELL	F	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Nothing off mouth or in stream, but several jumpers in bay.
282-1103	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	2400	0	8000P		DISTANCE SURVEYED: ENTIRE STREAM. A few carcasses noticeable.
282-1103	8/30/95	JIM MCCULLOUGH	E	G	G	0	0	2500	0	12000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 100 pink carcasses.
282-1103	9/12/95	JIM MCCULLOUGH	E	E	E	0	0	4000	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,500 pink carcasses.
W Side Korovin Bay												
282-1105	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1105	8/30/95	JIM MCCULLOUGH	G	G	G	0	0	1500	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM.
282-1105	9/12/95	JIM MCCULLOUGH	E	G	E	0	0	6100	0	100P		DISTANCE SURVEYED: ENTIRE STREAM. Plus 3,000 pink carcasses.
Korovin Lake												
282-1106	8/15/95	JIM MCCULLOUGH	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
282-1106	8/30/95	JIM MCCULLOUGH	G	G	G	0	0	0	0			DISTANCE SURVEYED: ENTIRE LAKE.
282-1106	9/12/95	JIM MCCULLOUGH	G	G	G	50	50	0	0	50Co		DISTANCE SURVEYED: ENTIRE STREAM.
McGinty's Point												
283-7003	7/27/95	ARNIE SHAUL	E	G		0	0	0	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM.
283-7003	8/2/95	ROD CAMPBELL	F	P		0	0	1500	0	1500P		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers at mouth.
283-7003	8/10/95	ARNIE SHAUL	G			0	0	15000	0			DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
283-7003	8/24/95	ARNIE SHAUL	G	F		0	0	78000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.
E. of Mino Creek												
283-7002	7/27/95	ARNIE SHAUL	E	F		0	0	7000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-7002	8/1/95	ARNIE SHAUL	G			0	0	21000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-7002	8/10/95	ARNIE SHAUL	G			0	0	72000	0			DISTANCE SURVEYED: ENTIRE STREAM. Looks good.
283-7002	8/24/95	ARNIE SHAUL	E	F		0	0	183000	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM.
Mino Creek												
283-7001	7/15/95	ARNIE SHAUL	E			0	0	7000	300			DISTANCE SURVEYED: ENTIRE STREAM. All were below fork E.
283-7001	7/23/95	ARNIE SHAUL	G			0	0	54000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-7001	7/27/95	ARNIE SHAUL	E	G		0	0	116000	0	7000P		DISTANCE SURVEYED: ENTIRE STREAM. 86,000 were below fork E.
283-7001	7/30/95	BOB BERCELI	G	F	P	0	0	215000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. Goose survey - fairly liberal. Still good show of fish.
283-7001	8/24/95	ARNIE SHAUL	E	F		1100	0	496000	0	25000P		DISTANCE SURVEYED: ENTIRE STREAM. 500 reds in F Lake, 600 in D.
Coal Bay Main Stream												
283-6205	7/23/95	ARNIE SHAUL	G			0	0	2600	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6205	7/24/95	BOB BERCELI	G	P	P	0	0	15300	0			DISTANCE SURVEYED: ENTIRE STREAM. Grumman Goose survey.
283-6205	7/27/95	ARNIE SHAUL	G	G		0	0	8000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.
283-6205	8/1/95	ARNIE SHAUL	G			0	0	14000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6205	8/4/95	ARNIE SHAUL	G			0	0	17000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6205	8/10/95	ARNIE SHAUL	G			0	0	54000	0			DISTANCE SURVEYED: ENTIRE STREAM. Looks good. 10,000 - 20,000 at mouth.
283-6205	8/24/95	ARNIE SHAUL	G	G		0	0	217000	0	36000P		DISTANCE SURVEYED: ENTIRE STREAM. Impressive.
Coal Bay unnamed												
283-6204	8/4/95	ARNIE SHAUL	F			0	0	400	0			DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
283-6204	8/10/95	ARNIE SHAUL	G			0	0	13000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6204	8/24/95	ARNIE SHAUL	G	F		0	0	86000	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM.
Coal Bay 6203.00												
283-6203	8/24/95	ARNIE SHAUL	G	G		0	0	2000	0	34000P		DISTANCE SURVEYED: ENTIRE STREAM.
Coal Bay 6	202.00											
283-6202	8/24/95	ARNIE SHAUL	G	G		0	0	7000	0	17000P		DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish In Stream Sockeye	Fish In Stream Coho	Fish In Stream Pink	Fish In Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Cape Tolstoi												
283-6201	8/24/95	ARNIE SHAUL	G	G		0	0	1000	0	12000P		DISTANCE SURVEYED: ENTIRE STREAM.
Settlement Point												
283-6316	7/15/95	ARNIE SHAUL	E	E		0	0	3200	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. All below forks.
283-6316	7/19/95	ARNIE SHAUL	G	G		0	0	9200	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
283-6316	7/23/95	ARNIE SHAUL	G			0	0	22000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6316	7/24/95	BOB BERCELI	G	P	P	0	0	24500	0			DISTANCE SURVEYED: ENTIRE STREAM. Grumman Goose survey.
283-6316	7/27/95	ARNIE SHAUL	G			0	0	18800	0			DISTANCE SURVEYED: ENTIRE STREAM. Disappointing after a four day rest.
283-6316	8/2/95	ARNIE SHAUL	G			0	0	38600	0			DISTANCE SURVEYED: ENTIRE STREAM EXCEPT RIGHT FORK. At least 80% below forks.
283-6316	8/4/95	ARNIE SHAUL	G			0	0	27000	0			DISTANCE SURVEYED: ENTIRE STREAM. 9,000 above forks.
283-6316	8/7/95	ARNIE SHAUL	G			0	0	33000	0			DISTANCE SURVEYED: LOWER TWO MILE S ONLY. Had to turn back because of fog. Looks much better in lower end than last time.
283-6316	8/10/95	ARNIE SHAUL	G			0	0	116000	0			DISTANCE SURVEYED: ENTIRE STREAM. 8,000 were in fork.
283-6316	8/17/95	BOB BERCELI	G	P		0	0	159000	0			DISTANCE SURVEYED: PARTIAL. Only flew 2/3 of "A" fork and 1/2 of "B" fork due to turbulence.
283-6316	9/4/95	ARNIE SHAUL	G	G		0	0	133000	2000	15000Ch		DISTANCE SURVEYED: ENTIRE STREAM. 25,000 in south fork, 47,000 below. Chums in lower 1/4 mile.
Middle Creek												
283-6315	7/15/95	ARNIE SHAUL	G			0	0	1000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6315	7/19/95	ARNIE SHAUL	G	G		0	0	5000	0	9200P		DISTANCE SURVEYED: ENTIRE STREAM.
283-6315	7/23/95	ARNIE SHAUL	G			0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6315	7/24/95	BOB BERCELI	G	P	P	0	0	0	0	11400P		DISTANCE SURVEYED: ENTIRE STREAM. Grumman Goose survey
283-6315	7/27/95	ARNIE SHAUL	G	F		0	0	10500	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6315	8/2/95	ARNIE SHAUL	G			0	0	31000	0			DISTANCE SURVEYED: ENTIRE STREAM. Very few in right fork.
283-6315	8/4/95	ARNIE SHAUL	G			0	0	48400	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6315	8/7/95	ARNIE SHAUL	G			0	0	49000	0			DISTANCE SURVEYED: LOWER THREE MILES ONLY. Had to turn back due to fog.
283-6315	8/17/95	BOB BERCELI	G	F		0	0	114000	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Fish well distributed throughout stream.
283-6315	9/4/95	ARNIE SHAUL	G			0	0	3000	0	116000P		DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Ness Creek												
283-6410	8/17/95	BOB BERCELI	G	P		0	0	3100	0			DISTANCE SURVEYED: ENTIRE STREAM. Too windy to see fish at stream mouth.
283-6410	9/4/95	ARNIE SHAUL	G	G		0	0	19000	0	9000P		DISTANCE SURVEYED: ENTIRE STREAM.
Inner Canoe, S Side												
283-6409	8/17/95	BOB BERCELI	G	F		0	0	0	200	200Ch		DISTANCE SURVEYED: ENTIRE STREAM.
283-6409	9/4/95	ARNIE SHAUL	G	G		0	0	0	1400	1000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
Entrance Creek												
283-6408	7/27/95	ARNIE SHAUL	E			0	0	400	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6408	8/2/95	ARNIE SHAUL	E			0	0	1800	0			DISTANCE SURVEYED; ENTIRE STREAM.
283-6408	8/4/95	ARNIE SHAUL	G			0	0	3000	0			DISTANCE SURVEYED: ENTIRE STREAM. Approximately 100,000 pinks in inner bay .
283-6408	8/17/95	BOB BERCELI	G	F		0	0	35000	0			DISTANCE SURVEYED: ENTIRE STREAM. Lots of fish throughout.
283-6408	9/4/95	ARNIE SHAUL	G	F		0	0	67000	500	5000P 5000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Thousands of additional carcasses. 23,000 pinks still in outer bay.
Wolverine Gulch												
283-6407	8/17/95	BOB BERCELI	G	F		0	0	2700	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-6407	9/4/95	ARNIE SHAUL	G			0	0	9000	200			DISTANCE SURVEYED: ENTIRE STREAM. Many additional pink carcasses.
Canoe Bay River												
283-6406	7/7/95	RALPH WRIGHT	G			0	0	0	2000			DISTANCE SURVEYED: ENTIRE STREAM. All off mouth of Four Bear Creek.
283-6406	7/15/95	ARNIE SHAUL	E	G	G	0	0	0	7000	1000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Additional 3,000 chums.
283-6406	7/19/95	ARNIE SHAUL	G	G		0	0	0	7000	15500Ch		DISTANCE SURVEYED: ENTIRE STREAM. An additional 10,000 chums in inner bay.
283-6406	7/23/95	ARNIE SHAUL	G			0	0	0	29000			DISTANCE SURVEYED: ENTIRE STREAM. Too choppy for survey of mouth and inner bay.
283-6406	7/27/95	ARNIE SHAUL	G	G	G	0	0	0	23400	11000Ch		DISTANCE SURVEYED: ENTIRE STREAM. An additional 10,000 chums in inner bay.
283-6406	8/2/95	ARNIE SHAUL	G			1500	0	0	72000			DISTANCE SURVEYED: ENTIRE STREAM.
283-6406	8/4/95	ARNIE SHAUL	G	F		0	0	0	1400	5000Ch		DISTANCE SURVEYED: RIVER MOUTH AND FOUR BEAR CREEK ONLY.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
283-6406	8/17/95	BOB BERCELI	P	G		0	0	0	79700			DISTANCE SURVEYED: PARTIAL. 3,400 of which were in Four Bear Creek. Could only fly 3/4 of Canoe Bay River and 1/3 of Bear River due to down drafts. Still good show of jumpers in the bay.
283-6406	9/4/95	ARNIE SHAUL	G	P		1000	0	105000	26600			DISTNCE SURVEYED: ENTIRE STREAM. 18,000 chums schooled in lower end. 23,000 pinks and 600 chums were in Four Bear. 23,000 pinks still in outer bay. Large numbers of additional carcasses.
Bluff Point Creek												
283-6405	8/2/95	ARNIE SHAUL	G			0	0	1400	200			DISTANCE SURVEYED: ENTIRE STREAM.
283-6405	8/4/95	ARNIE SHAUL	F			0	0	1900	300			DISTANCE SURVEYED: ENTIRE STREAM. Approximately 100,000 pinks in inner bay, most off of Bluff Point Creek.
283-6405	8/17/95	BOB BERCELI	F	F		0	0	4000	400			DISTANCE SURVEYED: PARTIAL. Could only fly 1/3 of stream due to wind turbulence. Water too murky for good species composition. Expect many more fish above.
283-6405	9/4/95	ARNIE SHAUL	G	F		0	0	26000	3000	5000P 500Ch		DISTANCE SURVEYED: ENTIRE STREAM. As many carcasses as live. 23,000 pinks still in outer bay.
Ruby's Lagoon												
283-6313	8/19/95	ARNIE SHAUL		F		0	0	0	0	17000Ch		DISTANCE SURVEYED: ENTIRE STREAM. In lower end.
283-6313	9/8/95	ARNIE SHAUL	G	P		20	0	0	9400			DISTANCE SURVEYED: ENTIRE STREAM. 25% of chums dead. No sign of fish in lagoon but conditions were poor.
Chinaman Lgn North												
283-6311	8/19/95	ARNIE SHAUL		G		0	0	0	0	700Ch		DISTANCE SURVEYED: ENTIRE STREAM.
283-6311	9/8/95	ARNIE SHAUL	G	G		0	0	0	0	1500Ch		DISTANCE SURVEYED: ENTIRE STREAM. Nothing in creek.
Chinaman Lgn Main												
283-6310	8/19/95	ARNIE SHAUL		G		0	0	0	0	7000P		DISTANCE SURVEYED: ENTIRE STREAM.
283-6310	9/8/95	ARNIE SHAUL	G	F		0	0	0	6000	8000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
Lower Chin aman Lgn												
283-6305	8/19/95	ARNIE SHAUL	G	F		0	0	0	500	9000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Includes 283-6306
283-6305	9/8/95	ARNIE SHAUL	G	F		0	0	0	11000			DISTANCE SURVEYED: ENTIRE STREAM. This survey includes 283-6306. 7,000 in .05 and 4,000 in .06.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Strm S of Chinaman L												
283-6304	9/8/95	ARNIE SHAUL	G	P		0	0	0	2000			DISTANCE SURVEYED: ENTIRE STREAM.
Long John Lagoon												
283-6105	9/8/95	ARNIE SHAUL	G			0	300	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
Spring Fed Lakes												
283-6104	8/10/95	ARNIE SHAUL	G			130	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. 500 chums in "pothole".
283-6104	9/8/95	ARNIE SHAUL	E			0	0	1800	0			DISTANCE SURVEYED: ENTIRE STREAM.
Long John Lgn, 2 S.												
283-6103	9/8/95	ARNIE SHAUL	G			0	0	0	300			DISTANCE SURVEYED: ENTIRE STREAM.
SW. Strm, Long J. Lgn												
283-6102	8/14/95	ARNIE SHAUL	E			0	0	0	1000			DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 in pothole plus 3,000 chums in lagoon.
283-6102	8/19/95	ARNIE SHAUL	E	G		0	0	800	1200	600Ch		DISTANCE SURVEYED: ENTIRE STREAM. Additional 3,300 chums in lagoon.
283-6102	8/24/95	ARNIE SHAUL	E	G		0	0	900	800	400Ch		DISTANCE SURVEYED: ENTIRE STREAM. Additional 3,200 chums in lagoon.
283-6102	9/8/95	ARNIE SHAUL	G	F		0	0	2100	3600	2000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Additional 3,000 chums in lagoon.
Volcano River												
283-5208	8/10/95	ARNIE SHAUL	G			0	0	0	1000			DISTANCE SURVEYED: ENTIRE STREAM. Didn't see any on flats. One boat working near Arch Point.
283-5208	8/15/95	ARNIE SHAUL	G			0	0	200	400	9000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Jumpers throughout bay, mostly pinks but lots of chums.
283-5208	8/19/95	ARNIE SHAUL	E			0	0	200	700			DISTANCE SURVEYED: PARTIAL. Didn't survey left fork. Additional 63,000 chums between mouth and Dushkin's Lagoon.
283-5208	8/24/95	ARNIE SHAUL	E	G		0	0	800	1200	30000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
283-5208	9/8/95	ARNIE SHAUL	G	G		0	0	6000	20000	14000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
Volcano Sloughs-Ctr												
283-5207	8/10/95	ARNIE SHAUL		G		0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Didn't see any on flats but may have missed them. Cherokee.
283-5207	8/15/95	ARNIE SHAUL	G	G		0	0	0	700	6000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
283-5207	8/19/95	ARNIE SHAUL		G		0	0	0	0	24000Ch		DISTANCE SURVEYED: ENTIRE STREAM.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
283-5207	8/24/95	ARNIE SHAUL	E	G		0	0	1000	400	11000P 43000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
283-5207	9/8/95	ARNIE SHAUL	G	G		0	0	11000	7000	1000P 20000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
West Spring Holes												
283-5206	8/10/95	ARNIE SHAUL	G	G		0	0	0	500	1000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
283-5206	8/15/95	ARNIE SHAUL	G	G		0	0	400	600	4000P 6000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers in bay.
283-5206	8/19/95	ARNIE SHAUL		G		0	0	0	0	15000P 7000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
283-5206	8/24/95	ARNIE SHAUL	F	F		0	0	4000	0	1000P 1000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
283-5206	9/8/95	ARNIE SHAUL	G	G		0	0	25000	0	5000P 5000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
Stream Guard Creek												
283-5205	9/8/95	ARNIE SHAUL	G	G		0	0	0	700	3000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
Stub Creek												
283-5204	8/15/95	ARNIE SHAUL	G	F		0	0	0	0	4500P		DISTANCE SURVEYED: ENTIRE STREAM. Nothing in creek. Numerous jumpers in bay.
283-5204	8/24/95	ARNIE SHAUL	G	G		0	0	2000	0	20000P		DISTANCE SURVEYED: ENTIRE STREAM. Another 25,000-50,000 along beach to south.
283-5204	9/8/95	ARNIE SHAUL	G	G		0	0	100000	0	9000P		DISTANCE SURVEYED: ENTIRE STREAM. That's right! 100,000 at mouth.
Little Bear Bay												
283-5203	9/8/95	ARNIE SHAUL	G	G		0	0	700	900	20000P 40000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Lower end of creek dry. Additional 20,000 dead, probably pinks at mouth.
Nikolaski												
283-5201	8/10/95	ARNIE SHAUL	F			0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Saw nothing, may have seen a few in a better airplane.
283-5201	8/15/95	ARNIE SHAUL	G			0	0	1400	0	4500P		DISTANCE SURVEYED: ENTIRE STREAM.
283-5201	9/8/95	ARNIE SHAUL	G	G		0	0	34000	0	60000P		DISTANCE SURVEYED: ENTIRE STREAM.
Dolgoi Hbr, Normal												
283-5103	9/8/95	ARNIE SHAUL	G	G		0	0	5000	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM. 80,000 pinks along beach. Creek already overstuffed.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Dolgoi Hbr, SW												
283-5106	8/4/95	ARNIE SHAUL	G	G		0	0	0	0	2500P		DISTANCE SURVEYED: ENTIRE STREAM. Nothing in creek.
283-5106	8/7/95	ARNIE SHAUL	G	G		0	0	200	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.
283-5106	8/10/95	ARNIE SHAUL	F	G		0	0	300	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. May have been more in creek. Cherokee and brush are a difficult combination.
283-5106	8/14/95	ARNIE SHAUL	G			0	0	1800	0			DISTANCE SURVEYED: ENTIRE STREAM. Huge numbers of pinks throughout harbor.
283-5106	9/8/95	ARNIE SHAUL	G	G		0	0	8000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM. 25,000 pinks along beach. Don't know where they will find room to spawn.
Dolgoi Hbr, South												
283-5105	9/8/95	ARNIE SHAUL	G	G		0	0	4000	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Stuffed. How can they find room to spawn?
Belkofski Billage Cr												
283-4101	8/4/95	ARNIE SHAUL	G	G		0	0	1500	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
283-4101	8/10/95	ARNIE SHAUL	G			0	0	17000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-4101	8/14/95	ARNIE SHAUL	G			0	0	15000	0			DISTANCE SURVEYED: LOWER HALF ONL Y.
283-4101	9/8/95	ARNIE SHAUL	G	G		0	0	25000	0	100P		DISTANCE SURVEYED: ENTIRE STREAM. One of the few creeks in this part of the area not being stuffed with fish. Good escapements.
Rocky River												
283-4212	8/4/95	ARNIE SHAUL	G	G		0	0	0	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Nothing in creek.
283-4212	8/10/95	ARNIE SHAUL	G	G		0	0	23000	0	15000P		DISTANCE SURVEYED: ENTIRE STREAM. Below canyon, probably another 5,000 above.
283-4212	9/8/95	ARNIE SHAUL	G	G		0	0	86500	0	10000P		DISTANCE SURVEYED: ENTIRE STREAM. Fish can't get into canyon due to small falls, need more rain.
Kitchen Anchorage												
283-4210	8/10/95	ARNIE SHAUL	G			0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Nothing in creek. 15,000 - 20,000 pinks in bay.
283-4210	9/8/95	ARNIE SHAUL	G	G		0	0	6000	0	27000P		DISTANCE SURVEYED: ENTIRE STREAM. 90,000 pinks along beach. Where are they going to find room to spawn?

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Captain's Harbor												
283-4209	9/8/95	ARNIE SHAUL	G	G		0	0	10000	1000	3000P 2000Ch		DISTANCE SURVEYED: ENTIRE STREAM. An additional 5,000 pink carcasses.
Belkofski Bay River												
283-4207	8/10/95	ARNIE SHAUL	G			0	0	0	2500			DISTANCE SURVEYED: ENTIRE STREAM.
283-4207	8/15/95	ARNIE SHAUL	E	G		0	0	100	2800	3000Ch		DISTANCE SURVEYED: ENTIRE STREAM. An additional 20,000 chums in Captain's Harbor. Numerous jumpers in Belkofski Bay.
283-4207	8/19/95	ARNIE SHAUL	E	G		0	0	1000	4100	16000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Surveyed up to 4 Corners. Additional 50,000 chums and 25,000 pinks in Captain's Harbor.
283-4207	9/8/95	ARNIE SHAUL	E	G		0	0	18000	64000	7000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Additional 17,000 chums in Captain's Harbor.
Belkofski Bay Beach												
283-4206	9/8/95	ARNIE SHAUL	G	G		0	0	9000	0	500P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,000 carcasses.
Belkofski Bay, West												
283-4205	8/10/95	ARNIE SHAUL	F			0	0	2000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-4205	9/8/95	ARNIE SHAUL	G	F		0	0	23000	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
Indian Head												
283-4203	8/24/95	ARNIE SHAUL	F	G	G	0	0	8000	0	25000P	100000P	DISTANCE SURVEYED: ENTIRE STREAM. Impressive.
283-4203	9/8/95	ARNIE SHAUL	E	G		0	0	15000	0	50000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 29,000 pinks along beach to north.
Ram's Creek												
283-3305	8/15/95	ARNIE SHAUL	G			0	0	2800	0			DISTANCE SURVEYED: ENTIRE STREAM. 1,700 were above culvert.
283-3305	9/8/95	ARNIE SHAUL	G	G		0	0	68000	0	40000P		DISTANCE SURVEYED: ENTIRE STREAM.
Head King Cove Ign												
283-3304	9/8/95	ARNIE SHAUL	G	F		0	0	0	1000	7000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
W Side King Cove Lgn												
283-3303	9/8/95	ARNIE SHAUL	G	F		0	0	500	600	5000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
Fox Island Anc. East												
283-3101	7/23/95	ARNIE SHAUL	G			0	0	300	0			DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
283-3101	7/30/95	ARNIE SHAUL	G			0	0	1500	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3101	8/1/95	ARNIE SHAUL	G	G		0	0	7600	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
283-3101	8/1/95	ARNIE SHAUL	G			0	0	28000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3101	8/4/95	ARNIE SHAUL	G			0	0	13100	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3101	8/5/95	ARNIE SHAUL	G			0	0	16000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3101	8/7/95	ARNIE SHAUL	G	F		0	0	29600	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM. Looks good.
283-3101	8/28/95	ARNIE SHAUL	G	G		0	0	104000	0	40000P		DISTANCE SURVEYED: ENTIRE STREAM. Absolutely plugged.
Fox Island Anc. Ctr.												
283-3102	8/4/95	ARNIE SHAUL	G			0	0	400	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3102	8/28/95	ARNIE SHAUL	G	G		0	0	19000	0	15000P		DISTANCE SURVEYED: ENTIRE STREAM. Loaded.
Fox Island Anc. West												
283-3103	7/27/95	ARNIE SHAUL	G	G		0	0	1000	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM.
283-3103	7/30/95	ARNIE SHAUL	G			0	0	10000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3103	8/1/95	ARNIE SHAUL	G			0	0	24400	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3103	8/4/95	ARNIE SHAUL	G			0	0	33300	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3103	8/28/95	ARNIE SHAUL	G	G		0	0	56000	0	15000P		DISTANCE SURVEYED: ENTIRE STREAM.
Paw Cape (Deer Isl.)												
283-3105	8/4/95	ARNIE SHAUL	G	G		0	0	2200	0	500P		DISTANCE SURVEYED: ENTIRE STREAM.
283-3105	8/28/95	ARNIE SHAUL	G	P		0	0	23000	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM.
Southern Creek												
283-3106	7/15/95	ARNIE SHAUL	E			0	0	1500	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3106	7/23/95	ARNIE SHAUL	G			0	0	33400	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3106	7/27/95	ARNIE SHAUL	G			0	0	111000	0			DISTANCE SURVEYED: ENTIRE STREAM. Looks good.
283-3106	8/4/95	ARNIE SHAUL	G			0	0	206000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3106	8/28/95	ARNIE SHAUL	G	F		0	0	131000	0	6000P		DISTANCE SURVEYED: ENTIRE STREAM.
Eastern Creek												
283-3110	7/15/95	ARNIE SHAUL	E	E		0	0	2200	0	1000P		DISTANCE SURVEYED: ENTIRE STREAM.
283-3110	7/23/95	ARNIE SHAUL	G	G		0	0	22000	0	3000P		DISTANCE SURVEYED: ENTIRE STREAM. Good escapement.
283-3110	8/28/95	ARNIE SHAUL	G	G		0	0	24000	0	15000P		DISTANCE SURVEYED: ENTIRE STREAM.
Lenard Hbr. South												
	8/15/95	ARNIE SHAUL	G			0	0	2600	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-3411	9/8/95	ARNIE SHAUL	G	G		0	0	14000	0	5000P		DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Coho	Pink	Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Delta Crk. Lenard Hb												
283-3410	8/10/95	ARNIE SHAUL	G			0	0	0	1200			DISTANCE SURVEYED: ENTIRE STREAM.
283-3410	8/19/95	ARNIE SHAUL	E	G		0	0	500	7500	12000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
283-3410	8/24/95	ARNIE SHAUL	G			0	0	7000	7000			DISTANCE SURVEYED: ENTIRE STREAM.
283-3410	9/8/95	ARNIE SHAUL	G	G		0	0	9800	12300	1500Ch		DISTANCE SURVEYED: ENTIRE STREAM.
Barney's Creek												
283-3409	8/5/95	ARNIE SHAUL	G	G		0	0	500	0	8000P		DISTANCE SURVEYED: ENTIRE STREAM.
283-3409	8/10/95	ARNIE SHAUL	G			0	0	7000	0			DISTANCE SURVEYED: ENTIRE STREAM. Probably twice as many. Half of creek hidden by brush as it cuts a new channel to chum sloughs. Looks good where visible.
283-3409	9/8/95	ARNIE SHAUL	G	G		0	0	28000	800	4000P 5000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
Kinzarof Lagoon												
283-3407	9/1/95	BOB BERCELI				3300	0	0	400			DISTANCE SURVEYED: ENTIRE STREAM. 200 additional chum carcasses.
Kinzarof Lgn, Middle												
283-3406	9/1/95	BOB BERCELI				300	0	0	0			
Kinzarof Lgn, North												
283-3405	9/1/95	BOB BERCELI				850	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
Trout Creek												
283-3403	9/1/95	BOB BERCELI				0	0	0	310			DISTANCE SURVEYED: ENTIRE STREAM. 50 additional carcasses.
283-3403	9/10/95	ARNIE SHAUL	G			90	200	200	800			DISTANCE SURVEYED: ENTIRE STREAM. 70 reds were in north lakes.
Russel Creek												
283-3402	7/14/95	ARNIE SHAUL	G			0	0	200	2000			DISTANCE SURVEYED: ENTIRE STREAM. Nothing seen above hatchery.
283-3402	7/30/95	ARNIE SHAUL	F			0	0	0	9000			DISTANCE SURVEYED: ENTIRE STREAM.
283-3402	8/4/95	ARNIE SHAUL	G			0	0	0	20400			DISTANCE SURVEYED: ENTIRE STREAM. 9,200 were above hatchery, some spawning.
283-3402	8/19/95	ARNIE SHAUL	G			0	0	0	56000			DISTANCE SURVEYED: PARTIA L. Surv eyed below first tributary.

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Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
283-3402	8/20/95	ARNIE SHAUL	F			0	0	0	6000			DISTANCE SURVEYED: PARTIAL. Surveyed above first tributary. Visibility much poorer than previously due to increased glacial runoff.
283-3402	9/4/95	ARNIE SHAUL	G			500	0	3000	86000			DISTANCE SURVEYED: ENTIRE STREAM. Reds schooled in lake. 46,000 chums above hatchery.
Mortensen Lagoon												
283-3401	8/16/95	BOB BERCELI	G			0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Did not see any fish in the lake either -windy!
283-3401	8/21/95	ARNIE SHAUL	G			400	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Poor visibility in lake.
283-3401	9/10/95	ARNIE SHAUL	E			7900	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Reds in creek were spawning. Was able to see all colored up fish in lake. 3,800 were in creek.
Old Man's Lagoon Str												
283-3201	8/4/95	ARNIE SHAUL	G			0	0	0	2400			DISTANCE SURVEYED: ENTIRE STREAM. 1,200 spawning.
283-3201	8/20/95	ARNIE SHAUL	F			0	0	0	3900			DISTANCE SURVEYED: ENTIRE STREAM. Some additional carcasses.
283-3201	9/10/95	ARNIE SHAUL	G			0	0	0	100			DISTANCE SURVEYED: ENTIRE STREAM.
Thin Pt Lgn & Entr.												
283-2006	7/15/95	ARNIE SHAUL	E			1000	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Fresh looking fish.
283-2006	7/19/95	ARNIE SHAUL	G			6400	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Some older looking fish ready to move to lake.
283-2006	8/4/95	ARNIE SHAUL	F			12000	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Most were in lower end.
283-2006	8/10/95	ARNIE SHAUL	F			19000	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Most in lower end. Tide low and just coming in.
283-2006	8/16/95	BOB BERCELI	F			10200	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Most all in midsection of lagoon - too turbid to see in lower portion.
283-2006	8/21/95	ARNIE SHAUL	F			8000	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. 9,500 along beach, some could have been coho. Couldn't see directly in front of lagoon mouth. Count low.
283-2006	9/10/95	ARNIE SHAUL	G			4000	13000	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
SW Bight Creek												
283-2004	7/30/95	ARNIE SHAUL				0	0	400	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-2004	8/4/95	ARNIE SHAUL	G			0	0	800	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-2004	8/10/95	ARNIE SHAUL	G			0	0	3500	0			DISTANCE SURVEYED: ENTIRE STREAM.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
283-2004	8/30/95	ARNIE SHAUL	G	F		0	0	10500	0			DISTANCE SURVEYED: ENTIRE STREAM.
McGinty's Creek												
283-2003	7/30/95	ARNIE SHAUL	G			0	0	1000	0			DISTANCE SURVEYED: ENTIRE STREAM.
283-2003	8/4/95	ARNIE SHAUL	F	G		0	0	3000	0	4000P		DISTANCE SURVEYED: ENTIRE STREAM. One boat anchored.
283-2003	8/10/95	ARNIE SHAUL	G			0	0	23000	0			DISTANCE SURVEYED: ENTIRE STREAM. Looks good.
283-2003	8/30/95	ARNIE SHAUL	G	F		0	0	39000	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM.
Sandy Cove Stream												
283-2001	7/30/95	ARNIE SHAUL	E			0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
283-2001	8/4/95	ARNIE SHAUL	E			0	0	0	300			DISTANCE SURVEYED: ENTIRE STREAM.
283-2001	8/10/95	ARNIE SHAUL	G			0	0	0	800			DISTANCE SURVEYED: ENTIRE STREAM.
283-2001	8/19/95	ARNIE SHAUL	E			0	0	0	12000			DISTANCE SURVEYED: ENTIRE STREAM. Additional 10,000 chums along beach, inside 500 yards.
283-2001	8/30/95	ARNIE SHAUL	G	F		0	0	0	19100			DISTANCE SURVEYED: ENTIRE STREAM.
Near Egg Island												
283-1101	8/30/95	ARNIE SHAUL				0	0	13000	200			DISTANCE SURVEYED: ENTIRE STREAM.
Little John Lgn Strm												
283-1213	8/15/95	ARNIE SHAUL	G	G		0	0	0	300	800Ch		DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 chums along inside of spit.
283-1213	8/19/95	ARNIE SHAUL	G	G		0	0	0	1300	500Ch		DISTANCE SURVEYED: PARTIAL. Didn't fly north fork. Additional 16,000 chums in lagoon.
283-1213	8/30/95	ARNIE SHAUL	G	G		0	0	700	5500	15000Ch		DISTANCE SURVEYED: ENTIRE STREAM. Good escapement
Little John Lgn SSpt												
283-1212	8/30/95	ARNIE SHAUL	G	G		0	0	0	100	1000Ch		DISTANCE SURVEYED: ENTIRE STREAM.
Cannery Creek												
283-1211	8/30/95	ARNIE SHAUL	G			0	0	500	0			DISTANCE SURVEYED: ENTIRE STREAM.
Middle Lagoon												
283-1205	7/7/95	ARNIE SHAUL	G			0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
283-1205	7/15/95	ARNIE SHAUL	E			900	0	0	0			DISTANCE SURVEYED: BELOW WEIR.
283-1205	8/4/95	ARNIE SHAUL	G			2000	0	0	0			DISTANCE SURVEYED: BELOW WEIR.
283-1205	8/16/95	BOB BERCELI				0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. All in lower end. Can see jumpers above but not individual fish or school beneath.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
283-1205	9/9/95	ARNIE SHAUL	F			5900	0	0	0			DISTANCE SURVEYED: LAKE A ND OUTLE T ONLY. Additional 800 red carcasses. 500 reds were schooled off lake outlet.
283-1205	9/22/95	ARNIE SHAUL	F			13800	0	0	0			DISTANCE SURVEYED: MORZHOVOI LAKE AND OUTLET ONLY. 300 reds schooled at outlet mouth. 700 spawning in outlet, rest spawning in lake.
Hansen's Creek												
283-1201	8/28/95	ARNIE SHAUL	G			1000	0	1500	0			DISTANCE SURVEYED: ENTIRE STREAM.
Deadman's Cove												
284-6008	8/4/95	ARNIE SHAUL	G			0	0	1200	0			DISTANCE SURVEYED: ENTIRE STREAM. Surveyed lower mile, all fish in lower 1/2 mile. 2,000-3,000 Dolly Varden.
284-6008	8/16/95	BOB BERCELI				1800	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. One pass at the lake - down drafts.
284-6008	8/28/95	ARNIE SHAUL	G	P		1500	0	16000	0			DISTANCE SURVEYED: ENTIRE STREAM. Good escapement for odd numbered year.
Whalebone Bay												
284-6007	8/4/95	ARNIE SHAUL	G			500	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
284-6007	9/9/95	ARNIE SHAUL	G			30	0	1300	0			DISTANCE SURVEYED: ENTIRE AREA. Additional 100 pink carcasses. Reds schooled in "Pass Lake". 600 pinks spawning in outlet.
Sankin Bay Creek												
284-6006	9/9/95	ARNIE SHAUL	G			0	0	500	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 300 pink carcasses.
Whirl Point												
284-6005	8/16/95	BOB BERCELI	G	F		0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Did not see any salmon.
284-6005	9/9/95	ARNIE SHAUL	G	G		0	0	7700	0	2000P		DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,200 pink carcasses.
Ikatan River												
284-6004	9/9/95	ARNIE SHAUL	G			0	0	5000	0			DISTANCE SURVEYED: FLEW CLEAR TRIBUTARY ONLY. Additional 300 carcasses.
Swede's Lake												
284-6003	8/4/95	ARNIE SHAUL	G			280	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM.
284-6003	9/9/95	ARNIE SHAUL	G			0	0	100	0			DISTANCE SURVEYED: OUTLET ONLY.

-Continued-

Stream	Date M-DD-YY	Observer	Visibility Stream	Visibility Mouth	Visibility Bay	Fish in Stream Sockeye	Fish in Stream Coho	Fish in Stream Pink	Fish in Stream Chum	Build Up Fish Mouth	Build Up Fish Bay	OBSERVER REMARKS
Ikatan Pt Stream												
284-6001	9/9/95	ARNIE SHAUL	G			0	300	3500	0			DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 pink carcasses.
W Sanak Isl. Trinity												
283-1007	9/12/95	BOB BERCELI				350	0	3400	0			DISTANCE SURVEYED: ENTIRE STREAM. 300 additional pink carcasses.
Washwoman Crk.												
283-1008	9/12/95	BOB BERCELI				170	0	1500	0			DISTANCE SURVEYED: ENTIRE STREAM. An additional 400 pink carcasses.
283-1008	9/12/95	BOB BERCELI				400	0	3000	0			DISTANCE SURVEYED: ENTIRE STREAM. An additional 1,000 pink carcasses.
Dodd's Bay, East												
283-1005	9/12/95	BOB BERCELI				0	0	600	0			DISTANCE SURVEYED: ENTIRE STREAM. 150 additional pink carcasses.
283-1005	9/12/95	BOB BERCELI				0	0	2000	0	800P		DISTANCE SURVEYED: ENTIRE STREAM. 200 additional pink carcasses.
Sandy Bay												
283-1009	9/12/95	BOB BERCELI				0	0	0	0			DISTANCE SURVEYED: ENTIRE STREAM. Did not find any fish in either system.

Appendix F.6. Sockeye salmon daily and cumulative escapement counts through Orzinski Lake weir, 1995.

Date		Daily			Cumulative		
		Adults	Jacks	Total	Adults	Jacks	Total
June	10-15	0	0	0	0	0	0
	16	3	0	3	3	0	3
	17	0	0	0	3	0	3
	18	3	0	3	6	0	6
	19	10	1	11	16	1	17
	20	24	4	28	40	5	45
	21	28	0	28	68	5	73
	22	101	10	111	169	15	184
	23	55	8	63	224	23	247
	24	15	2	17	239	25	264
	25	4	1	5	243	26	269
	26	7	2	9	250	28	278
	27	21	11	32	271	39	310
	28	542	53	595	813	92	905
	29	57	8	65	870	100	970
	30	21	11	32	891	111	1,002
July	1	22	2	24	913	113	1,026
	2	19	11	30	932	124	1,056
	3	1	0	1	933	124	1,057
	4	961	253	1,214	1,894	377	2,271
	5	37	73	110	1,931	450	2,381
	6	4,124	665	4,789	6,055	1,115	7,170
	7	38	90	128	6,093	1,205	7,298
	8	8	24	32	6,101	1,229	7,330
	9	4,744	538	5,282	10,845	1,767	12,612
	10	1,251	185	1,436	12,096	1,952	14,048
	11	1,583	109	1,692	13,679	2,061	15,740
	12	2,760	182	2,942	16,439	2,243	18,682
	13	488	25	513	16,927	2,268	19,195
	14	65	36	101	16,992	2,304	19,296
	15	349	263	612	17,341	2,567	19,908
	16	292	352	644	17,633	2,919	20,552
	17	651	557	1,208	18,284	3,476	21,760
	18	1	3	4	18,285	3,479	21,764
	19	195	70	265	18,480	3,549	22,029

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	Daily			Cumulative		
Date	Adults	Jacks	Total	Adults	Jacks	Total
20	199	26	225	18,679	3,575	22,254
21	148	45	193	18,827	3,620	22,447
22	308	45	353	19,135	3,665	22,800
23	687	152	839	19,822	3,817	23,639
24	149	35	184	19,971	3,852	23,823
25	62	22	84	20,033	3,874	23,907
Post July 25 [a]						
	4,735	1,358	6,093	24,768	5,232	30,000
Total	24,768	5,232	30,000	24,768	5,232	30,000

[a] The Orzinski weir was closed July 25. The post July 25 escapement was based on post July 25 observations, and aerial surveys.

Appendix F.7. Sockeye salmon daily and cumulative escapement counts through the Thin Point Lake weir, 1995.

	Daily			Cumulative			Daily Percent		Cumulative Percent		
Date	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
July 14	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
15	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
16	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
17	14	1	15	14	1	15	93.3	6.7	0.1	0.0	0.1
18	7	0	7	21	1	22	100.0	0.0	0.2	0.0	0.2
19	0	0	0	21	1	22	0.0	0.0	0.2	0.0	0.2
20	0	0	0	21	1	22	0.0	0.0	0.2	0.0	0.2
21	0	0	0	21	1	22	0.0	0.0	0.2	0.0	0.2
22	0	0	0	21	1	22	0.0	0.0	0.2	0.0	0.2
23	0	0	0	21	1	22	0.0	0.0	0.2	0.0	0.2
24	3	0	3	24	1	25	100.0	0.0	0.2	0.0	0.2
25	1	0	1	25	1	26	100.0	0.0	0.2	0.0	0.3
26	0	0	0	25	1	26	0.0	0.0	0.2	0.0	0.3
27	0	0	0	25	1	26	0.0	0.0	0.2	0.0	0.3
28	4	0	4	29	1	30	100.0	0.0	0.3	0.0	0.3
29	0	0	0	29	1	30	0.0	0.0	0.3	0.0	0.3
30	0	0	0	29	1	30	0.0	0.0	0.3	0.0	0.3
31	0	0	0	29	1	30	0.0	0.0	0.3	0.0	0.3
Aug. 1	0	0	0	29	1	30	0.0	0.0	0.3	0.0	0.3
2	0	0	0	29	1	30	0.0	0.0	0.3	0.0	0.3
3	0	0	0	29	1	30	0.0	0.0	0.3	0.0	0.3
4	2	0	2	31	1	32	100.0	0.0	0.3	0.0	0.3
5	336	2	338	367	3	370	99.4	0.6	3.6	0.0	3.6

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Appendix F.7. (page 2 of 2)

	Daily			Cumulative			Daily Percent		Cumulative Percent		
Date	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
6	71	1	72	438	4	442	98.6	1.4	4.3	0.0	4.3
7	338	1	339	776	5	781	99.7	0.3	7.6	0.0	7.6
8	114	1	115	890	6	896	99.1	0.9	8.7	0.1	8.7
9	8	0	8	898	6	904	100.0	0.0	8.8	0.1	8.8
10	2	0	2	900	6	906	100.0	0.0	8.8	0.1	8.8
11	2,216	15	2,231	3,116	21	3,137	99.3	0.7	30.4	0.2	30.6
12	890	5	895	4,006	26	4,032	99.4	0.6	39.1	0.3	39.4
13	38	0	38	4,044	26	4,070	100.0	0.0	39.5	0.3	39.7
14	817	4	821	4,861	30	4,891	99.5	0.5	47.5	0.3	47.8
15	441	3	444	5,302	33	5,335	99.3	0.7	51.8	0.3	52.1
16	212	4	216	5,514	37	5,551	98.1	1.9	53.8	0.4	54.2
17	1,477	4	1,481	6,991	41	7,032	99.7	0.3	68.3	0.4	68.7
18	1,702	15	1,717	8,693	56	8,749	99.1	0.9	84.9	0.5	85.4
19	941	9	950	9,634	65	9,699	99.1	0.9	94.1	0.6	94.7
20	452	5	457	10,086	70	10,156	98.9	1.1	98.5	0.7	99.2
21	84	1	85	10,170	71	10,241	98.8	1.2	99.3	0.7	100.0
Total	10,170	71	10,241	10,170	71	10,241	98.8	1.2			
Post Weir Escapement						21,500					
Total						31,741					

Appendix F.8. Coho, pink, and chum salmon daily and cumulative escapement counts through the Thin Point Lake weir, 1995.

	Daily			Cumulative		
Date	Coho	Pink	Chum	Coho	Pink	Chum
July 14 > Aug. 16	0	0	0	0	0	0
17	1	0	0	1	0	0
18	0	0	0	1	0	0
19	0	0	0	1	0	0
20	0	0	0	1	0	0
21	2	0	0	3	0	0
Total	3	0	0	3	0	0
Post Weir Escapement				13,000		
Total				13,003		

Appendix F.9. Sockeye salmon daily and cumulative escapement counts through the Middle Lagoon weir, 1995.

	Daily			Cumulative			Daily Percent		Cumulative Percent		
Date	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
July 19	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
20	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
21	6	1	7	6	1	7	85.7	14.3	0.6	0.1	0.7
22	589	26	615	595	27	622	95.8	4.2	62.1	2.8	64.9
23	27	0	27	622	27	649	100.0	0.0	64.9	2.8	67.7
24	66	1	67	688	28	716	98.5	1.5	71.8	2.9	74.7
25	47	0	47	735	28	763	100.0	0.0	76.7	2.9	79.6
26	116	0	116	851	28	879	100.0	0.0	88.8	2.9	91.8
27	75	4	79	926	32	958	94.9	5.1	96.7	3.3	100.0
Total	926	32	958	926	32	958					
Post Weir Escapement						39,742					
Total						40,700					